BIRTH AND DEATH STATISTICS
BY HEALTH UNITS OF ALBERTA
1987

Alberta
HEALTH

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Alberta Health
Management Support Services

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GENERAL FRAMEWORK

This is the fifth annual report dealing with natality and mortality patterns in Alberta, observed at the health unit level. This volume contains birth, infant mortality and death statistics and related indices for the year 1987 for Alberta, disaggregated by the 27 Health Units, to the extent that this is possible from Vital Statistics data. All the birth and death statistics used in the preparation of this report originated with Alberta Vital Statistics. It is hoped this information will prove useful to those involved in planning at both the health unit and provincial levels. The report is divided into four chapters, dealing with births, stillbirths and infant mortality, deaths in the male population, and deaths in the female population, respectively.

By considering births and deaths on a health unit basis, this report acknowledges the differences that exist from one area of the province to another. It is not always possible to offer an explanation as to why such variation exists, and no attempt has been made in this volume to provide one. Any explanation would need to be based on a comprehensive understanding of the various demographic and socio-economic characteristics of the health units and this knowledge is most readily available at the community level.

In data format this report closely resembles the fourth report published in March 1988[1]. The emphasis is on natality and mortality of individual health units as observed in 1987.

The point of view has been adopted that the situation for Alberta is mainly relevant in so far as it provides a convenient standard for gauging patterns in this province. To that end, all age-standardized rates in the report have been standardized on the Alberta population in 1987.

As each new demographic indicator is introduced it is accompanied by the corresponding background material or mathematical formula. Appendices A and B give the details of the demographic method used.

1 Birth and Death Statistics by Health Units of Alberta - 1986, Management Support Services, Edmonton, Alberta Community and Occupational Health.

CHAPTER CONTENTS

Each chapter begins with a description of the relevant population according to age group, and follows with a series of tables and figures dealing with either births or deaths. The latter are organized according to a definite format. Within each chapter, pages are numbered consecutively. Tables and figures will be identified by referring to the corresponding page number.

BIRTH AND DEATH STATISTICS

A proper interpretation of the tables and figures in the pages that follow requires an understanding of some of the features of the Alberta Vital Statistics registration and reporting system. As each birth or death is registered, Alberta Vital Statistics assigns the vital event to a health unit on the basis of the registrant's place of usual residence, provided, of course, that the individual involved is an Albertan. This may or may not be the health unit where the vital event took place.

Alberta Vital Statistics also registers births and deaths involving residents of other provinces and countries, but these will not be considered here. By the same token, if a resident of Alberta gives birth or dies while outside this province, the registration will not be known to Alberta Vital Statistics. This results in a small degree of undercounting of vital events involving Albertans; however this shortfall is not large (approximately 494 births (1%) and 236 deaths (2%) in 1985)[2].

An exception to the above method of reporting has to do with residents of certain Indian reservations. Because of a special arrangement between the neighbouring health units and Alberta Vital Statistics, births and deaths identifiable as involving residents of these reservations are not assigned to

2 Statistics Canada: Births and Deaths, Vital Statistics-Volume 1, 1985 Catalogue 84 - 204 Annual

the health unit in question, but rather given their own identifiers.[3,4] This makes it impossible to assign these vital events to a health unit without going back to the original registrations. Consequently these statistics have been excluded from the present report. However, data from Alberta Vital Statistics indicate that the resulting undercounting is small. Averaging for three years from 1984 to 1986 indicates that there are 352 births (1%) and 151 deaths (1%) belonging to this category.

Alberta Vital Statistics publishes an annual report containing, along with other information, birth and death statistics. In theory, the entries in the 1987 report should coincide exactly with those given here. However, certain discrepancies can be found. For example, Alberta Vital Statistics sets the total number of deaths (Alberta residents only) at 13,079 which is to be compared to 12,959 (excluding Indian Reservation) computed from Table 3.3 and Table 4.3 in this report. This difference is partially due to the fact that in this report only those cases with specific Health Unit codes are included. Other similar discrepancies may occur because the Alberta Vital Statistics system is a dynamic one, with registrations being updated, late registrations being filed and similar data modifications made continuously. These differences are not very important for the computation of health indices used in the report. More specifically, the health unit related rates provided in this report are unlikely to change.

POPULATION ESTIMATES

A large part of this report is concerned with birth and death rates. To compute these it is necessary to have estimates of population size. In the previous reports (1983, 1984, 1985 and 1986) population estimates were based on 1981 census and respective year's provincial population figures provided by ABS. A comparison of 1986 Alberta Census figures with the 1986 provincial population estimates used to prepare the 1987 report show that the provincial population was not significantly different from ABS estimates which was about 2% higher. However, a comparison of the 1986 census data and the health unit estimates used in 1987 report show that there are some variations in actual and estimated population figures of health units. The male population of 18 health units and the female population of 15 health units were overestimated and hence their age-specific rates were underestimated. Simultaneously, the male population of 8 health units and female population of 11 health units were underestimated and consequently their age-specific rates were overestimated. Only in the case of one health unit was the estimate and the actual population figure similar. Therefore, when comparing age-specific rates across time, the above limitation should be given due attention.

Since 1986 census data became available recently, in order to have a uniform method applicable to all health units, it was decided to estimate all 1987 health unit population by projecting the health unit enumerations from the national census of 1986. The details of the method of projection are given in Appendix A.

SMALL AREA STATISTICS

The preceding sections dealt with some of the characteristics of the statistics that have been used in this report. A related consideration has to do with the problem of small area statistics.[5,6] This refers to the difficulties inherent in the analysis of statistics arising out of relatively sparsely populated areas. Because of the small number involved, indices computed from such statistics tend to be subject to random fluctuation. In the context of the present report, differences that appear to exist between one health unit and the next may be partly due to chance variation.

3 Division Support Branch, Alberta Social Services and Community Health, 1983. A Study of the Methods of Reporting Vital Statistics and Communicable Diseases by Local Health Authority (unpublished document).

4 Birth and Death Statistics by Health Units of Alberta, 1983 .

5 Ibid

6 Diehr, R, 1984 . Small Area Statistics: Large Statistical Problems. American Journal of Public Health 70: 313-314.

CHAPTER 1
LIVE BIRTHS
1987

DESCRIPTION OF TABLES

Table 1.1 gives population estimates for females in the reproductive years (10-49) by five-year age groups, computed using the method described in Appendix A. Note that in this table the far right column gives the total number of females in each health unit and that the bottom row gives the provincial total for each age group.

Table 1.2 is derived directly from Table 1.1, and gives the percent of the population in each health unit falling in each of the age groups in the range 10-49. Due to rounding the row totals may not sum to 100.

Table 1.3 gives the number of live births by age group and health unit. Once again the totals for the health units and Alberta are provided.

Table 1.4 gives the age-specific live birth rates (per 1,000 females). These rates, sometimes called fertility rates, are defined by:

$$\frac{\text{number of live births to women in age group}}{\text{number of women in age group}} \times 1{,}000$$

Although not shown, it is possible to assign confidence intervals to each of the rates in this table along the lines of Table 1.5. The method of computation is described in Appendix B. Because of the small numbers involved in some of the health units, the age-specific rates in this table would be expected to have rather wide confidence intervals. For this reason Table 1.4 should be interpreted with caution, especially when health units are being compared.

Table 1.5 has a number of indices related to the age-standardized live birth rates for the year 1987. The technique of age-standardization is discussed in Appendix B. In the present case, rates have been standardized to the 1987 Alberta female population, ages from 10 to 49. This means that each of the age-standardized rates appearing in the first column of the table (where they are referred to simply as rates) is the live birth rate that would have been observed in each health unit in 1987 if the age distribution of women in the reproductive years in the health unit had been precisely the same as that observed in Alberta as a whole in the year 1987. This adjustment for differing age distributions (see Table 1.2) corrects for a potential source of artifactual error.

Associated with each of the (age-standardized) rates is a 95% confidence interval, with lower and upper limits shown in columns two and three. For details of the method of computation see Appendix B. These numbers bound the observed rate from below and above, respectively, and thereby give a range of numbers which include the true underlying rate with a 95% confidence level. The observed rate is simply one manifestation of the true underlying rate, which cannot be known with 100% confidence because of random variation. This means that the true underlying rate could be as small as the lower bound or as large as the upper bound. Typically the larger the population in question the narrower will be the confidence interval. Because they indicate the reliability of the observed rate, the lower and upper confidence limits should always be considered along with the rate.

In the fourth column the rates (excluding that for Alberta) have been ranked from 1 to 27, with 1 for the largest rate and 27 for the smallest.

The fifth column gives ratios, computed by dividing the rate for each health unit by the Alberta rate. This gives a measure of the relative magnitude of the rate for each health unit compared to Alberta as a whole. The ranks and ratios are simply different ways of looking at the rates in column one.

The final column records the results of statistical testing for a difference between the rate for each of the health units and the rate for Alberta. The principles involved are described in Appendix B. If the health unit rate was found to be larger than that for Alberta, and statistically significantly so, then a "Yes" was entered next to the health unit. If the health unit was observed to be less than the Alberta rate, or larger but not statistically significantly larger, then a dot was entered. Another approach to statistical testing would have involved looking for significant departures of the health unit rates from the Alberta rate whether higher or lower, and not just higher as in this report. However, this would have meant using a test with less sensitivity to detect higher than average health unit rates. Since these are the departures which tend to be of most interest (especially in the case of death rates) the present approach was adopted.

It must be reiterated that statistical significance is purely a property of

numbers; as a concept it has no biological, demographic or social content. Consequently, even if two rates are determined to be different in a formal statistical sense, it is another matter as to whether or not they are different in a biological (or other) sense. This is a judgement to be made by the informed reader; it is outside the realm of statistical testing.

Figure 1.6 is a map of health units with the ranks from Table 1.5 inscribed. This provides a convenient method of searching for cluster of low or high ranks.

Table 1.7 to Table 1.9 give the number of live births by birth order, where "first order" means the first live birth for the woman and similarly for higher orders of births.

Table 1.10 and Table 1.11 give a breakdown of live births by weight category.

Table 1.12 to Table 1.14 and Figure 1.15 are similar in layout (and interpretation) to Table 1.3 to Table 1.5 and Figure 1.6, except that here attention is restricted to live births to women who were single (that is, not legally married) at the time of birth.

Table 1.16 is computed directly from Table 1.12 and gives the percent of the live births occurring in each age group. Due to rounding errors row totals may not equal 100.

Table 1.17 to Table 1.18 and Figure 1.19 are, once again, formatted along the lines of Table 1.3 to Table 1.5 and Figure 1.6, except that a single age group, the 15-19 year olds, is considered in detail. Consequently the age-specific and age-standardized rates coincide.

Table 1.20 to Table 1.21 and Figure 1.22 consider the live births and birth rates to single teenage mothers.

NUMBER IN POPULATION, 1987
FEMALES IN CHILDBEARING AGE GROUPS (10-49)

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
ALBERTA EAST CENTRAL	1892	1967	1841	2000	2001	1729	1562	1214	14206
ALBERTA WEST CENTRAL	1594	1515	1633	1911	1830	1389	1070	999	11941
ATHABASCA	1438	1400	1220	1278	1183	998	859	666	9042
BANFF NATIONAL PARK	152	390	797	511	367	303	205	145	2870
BARONS-EUREKA-WARNER	1728	1660	1331	1533	1463	1290	1082	861	10948
BIG COUNTRY	405	467	431	443	439	376	328	234	3123
CALGARY	19872	22288	31379	38437	34126	26818	20688	15428	209036
CHINOOK	1655	1654	1298	1524	1441	1279	1058	843	10752
DRUMHELLER	1298	1351	1105	1288	1325	1117	890	684	9058
EDMONTON	16324	20266	31782	33997	27908	20484	16559	13717	181037
FOOTHILLS	1342	1210	906	1267	1443	1357	1149	745	9419
FORT MCMURRAY	1682	1597	1718	2311	2097	1734	1111	579	12829
HIGH LEVEL-FORT VERMILION	833	704	695	668	471	338	290	243	4242
JASPER NATIONAL PARK	88	137	341	261	180	114	84	71	1276
LEDUC-STRATHCONA	5002	4593	3057	3899	5027	5181	4222	2744	33725
LETHBRIDGE	2006	2180	2733	2853	2678	2201	1709	1382	17742
MINBURN-VERMILION	1479	1479	1578	1702	1597	1281	1099	782	10997
MOUNT VIEW	2337	2137	1843	2666	3102	2660	1921	1403	18069
NORTH EASTERN ALBERTA	1987	1945	2160	2195	1794	1481	1294	933	13789
PEACE RIVER	1746	1550	1452	1650	1507	1211	1034	849	10999
RED DEER REGIONAL	4452	4564	5483	6089	5476	4348	3393	2762	36567
SOUTHEASTERN ALBERTA	2778	2768	3190	3538	3220	2664	2110	1600	21868
SOUTH PEACE	2701	2613	2903	3308	3017	2206	1822	1327	19897
STONY PLAIN-LAC STE. ANNE	3059	2403	2087	2866	3212	2845	2203	1448	20123
STURGEON	4283	3754	3168	3946	4457	4371	3311	2327	29617
VEGREVILLE	1035	1034	757	890	1051	971	786	666	7190
WETOKA	1313	1360	1283	1495	1471	1254	1061	849	10086
ALBERTA	**84481**	**88986**	**108171**	**124526**	**113883**	**92000**	**72900**	**55501**	**740448**

AGE DISTRIBUTIONS (IN %)
FEMALES IN CHILD BEARING AGE GROUPS (10-49), 1987

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
ALBERTA EAST CENTRAL	13.3	13.8	13.0	14.1	14.1	12.2	11.0	8.5
ALBERTA WEST CENTRAL	13.3	12.7	13.7	16.0	15.3	11.6	9.0	8.4
ATHABASCA	15.9	15.5	13.5	14.1	13.1	11.0	9.5	7.4
BANFF NATIONAL PARK	5.3	13.6	27.8	17.8	12.8	10.6	7.1	5.1
BARONS-EUREKA-WARNER	15.8	15.2	12.2	14.0	13.4	11.8	9.9	7.9
BIG COUNTRY	13.0	15.0	13.8	14.2	14.1	12.0	10.5	7.5
CALGARY	9.5	10.7	15.0	18.4	16.3	12.8	9.9	7.4
CHINOOK	15.4	15.4	12.1	14.2	13.4	11.9	9.8	7.8
DRUMHELLER	14.3	14.9	12.2	14.2	14.6	12.3	9.8	7.6
EDMONTON	9.0	11.2	17.6	18.8	15.4	11.3	9.1	7.6
FOOTHILLS	14.2	12.8	9.6	13.5	15.3	14.4	12.2	7.9
FORT MCMURRAY	13.1	12.4	13.4	18.0	16.3	13.5	8.7	4.5
HIGH LEVEL-FORT VERMILION	19.6	16.6	16.4	15.7	11.1	8.0	6.8	5.7
JASPER NATIONAL PARK	6.9	10.7	26.7	20.5	14.1	8.9	6.6	5.6
LEDUC-STRATHCONA	14.8	13.6	9.1	11.6	14.9	15.4	12.5	8.1
LETHBRIDGE	11.3	12.3	15.4	16.1	15.1	12.4	9.6	7.8
MINBURN-VERMILION	13.4	13.4	14.3	15.5	14.5	11.6	10.0	7.1
MOUNT VIEW	12.9	11.8	10.2	14.8	17.2	14.7	10.6	7.8
NORTH EASTERN ALBERTA	14.4	14.1	15.7	15.9	13.0	10.7	9.4	6.8
PEACE RIVER	15.9	14.1	13.2	15.0	13.7	11.0	9.4	7.7
RED DEER REGIONAL	12.2	12.5	15.0	16.7	15.0	11.9	9.3	7.6
SOUTHEASTERN ALBERTA	12.7	12.7	14.8	16.2	14.7	12.2	9.6	7.3
SOUTH PEACE	13.6	13.1	14.6	16.6	15.2	11.1	9.2	6.7
STONY PLAIN-LAC STE. ANNE	15.2	11.9	10.4	14.2	16.0	14.1	10.9	7.2
STURGEON	14.5	12.7	10.7	13.3	15.0	14.8	11.2	7.9
VEGREVILLE	14.4	14.4	10.5	12.4	14.6	13.5	10.9	9.3
WETOKA	13.0	13.5	12.7	14.8	14.6	12.4	10.5	8.4
ALBERTA	**11.4**	**12.0**	**14.6**	**16.8**	**15.4**	**12.4**	**9.8**	**7.5**

NUMBER OF LIVE BIRTHS, 1987

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
ALBERTA EAST CENTRAL	0	46	265	329	153	32	5	0	830
ALBERTA WEST CENTRAL	1	79	214	300	128	29	3	0	754
ATHABASCA	2	128	268	201	96	25	3	0	703
BANFF NATIONAL PARK	0	4	15	32	18	6	0	0	75
BARONS-EUREKA-WARNER	1	55	208	284	146	34	8	0	736
BIG COUNTRY	0	7	70	84	39	5	0	0	205
CALGARY	4	548	2259	4484	3244	839	95	1	11474
CHINOOK	1	82	225	231	108	42	6	0	695
DRUMHELLER	0	44	149	211	116	24	2	1	547
EDMONTON	9	774	2483	3893	2400	620	61	2	10242
FOOTHILLS	0	20	103	206	142	34	6	0	511
FORT MCMURRAY	1	62	179	262	140	37	5	0	686
HIGH LEVEL-FORT VERMILION	2	64	144	122	59	29	11	0	431
JASPER NATIONAL PARK	0	1	15	29	18	5	0	0	68
LEDUC-STRATHCONA	2	60	279	605	386	84	7	1	1424
LETHBRIDGE	1	73	239	372	207	55	3	0	950
MINBURN-VERMILION	0	35	111	163	so	13	4	0	376
MOUNT VIEW	1	30	216	408	273	60	7	0	995
NORTH EASTERN ALBERTA	1	103	320	362	159	27	4	0	976
PEACE RIVER	0	118	272	274	145	32	2	0	843
RED DEER REGIONAL	2	168	643	815	381	100	2	1	2112
SOUTHEASTERN ALBERTA	1	87	309	453	224	45	4	0	1123
SOUTH PEACE	1	97	306	432	186	49	5	0	1076
STONY PLAIN-LAC STE. ANNE	0	86	266	408	221	43	5	0	1029
STURGEON	1	80	331	644	342	93	6	0	1497
VEGREVILLE	0	22	99	122	64	26	2	0	335
WETOKA	0	56	192	234	139	21	1	1	644
ALBERTA	31	2929	10160	15960	9584	2409	257	7	41337

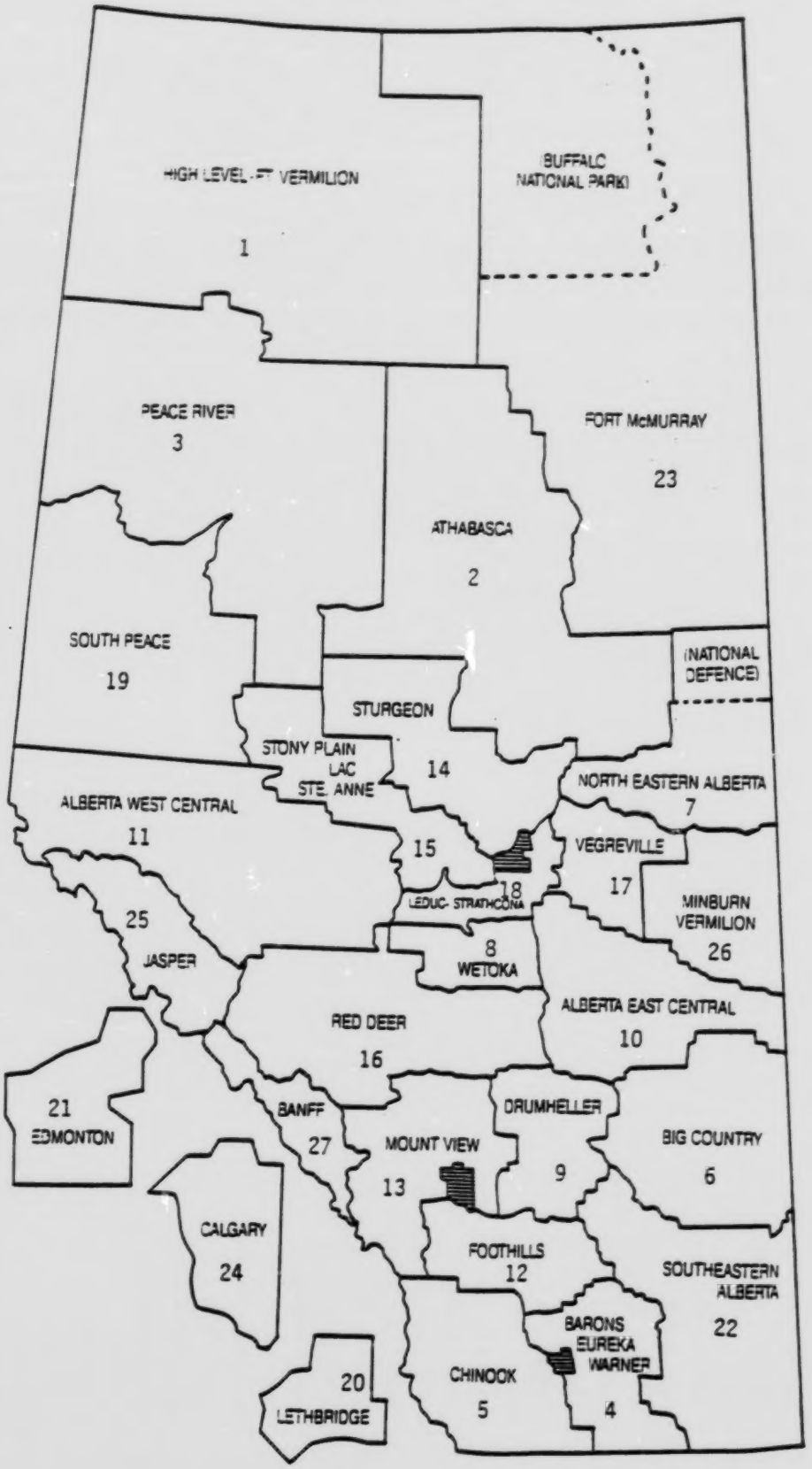
AGE-SPECIFIC LIVE BIRTH RATES (PER 1,000 FEMALES), 1987

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
ALBERTA EAST CENTRAL	0.0	23.4	143.9	164.5	76.5	18.5	3.2	0.0
ALBERTA WEST CENTRAL	0.6	52.1	131.0	157.0	69.9	20.9	2.8	0.0
ATHABASCA	1.4	91.4	203.3	157.3	81.1	25.1	3.5	0.0
BANFF NATIONAL PARK	0.0	10.3	18.8	62.6	49.0	19.8	0.0	0.0
BARONS-EUREKA-WARNER	0.6	33.1	156.3	185.3	99.8	26.4	7.4	0.0
BIG COUNTRY	0.0	15.0	162.4	189.6	88.8	13.3	0.0	0.0
CALGARY	0.2	24.6	72.0	116.7	95.1	31.3	4.6	0.1
CHINOOK	0.6	49.6	173.3	151.6	74.9	32.8	5.7	0.0
DRUMHELLER	0.0	32.6	134.8	163.8	87.5	21.5	2.2	1.5
EDMONTON	0.6	38.2	78.1	114.5	86.0	30.3	3.7	0.1
FOOTHILLS	0.0	16.5	113.7	162.6	98.4	25.1	5.2	0.0
FORT MCMURRAY	0.6	38.8	104.2	113.4	66.8	21.3	4.5	0.0
HIGH LEVEL-FORT VERMILION	2.4	90.9	207.2	182.6	125.3	85.8	37.9	0.0
JASPER NATIONAL PARK	0.0	7.3	44.0	111.1	100.0	43.9	0.0	0.0
LEDUC-STRATHCONA	0.4	13.1	91.3	155.2	76.8	16.2	1.7	0.4
LETHBRIDGE	0.5	33.5	87.4	130.4	77.3	25.0	1.8	0.0
MINBURN-VERMILION	0.0	23.7	70.3	95.8	31.3	10.1	3.6	0.0
MOUNT VIEW	0.4	14.0	117.2	153.0	88.0	22.6	3.6	0.0
NORTH EASTERN ALBERTA	0.5	53.0	148.1	164.9	88.6	18.2	3.1	0.0
PEACE RIVER	0.0	76.1	187.3	166.1	96.2	26.4	1.9	0.0
RED DEER REGIONAL	0.4	36.8	117.3	133.8	69.6	23.0	0.6	0.4
SOUTHEASTERN ALBERTA	0.4	31.4	96.9	128.0	69.6	16.9	1.9	0.0
SOUTH PEACE	0.4	37.1	105.4	130.6	61.7	22.2	2.7	0.0
STONY PLAIN-LAC STE. ANNE	0.0	35.8	127.5	142.4	68.8	15.1	2.3	0.0
STURGEON	0.2	21.3	104.5	163.2	76.7	21.3	1.8	0.0
VEGREVILLE	0.0	21.3	130.8	137.1	60.9	26.8	2.5	0.0
WETOKA	0.0	41.2	149.6	156.5	94.5	16.7	0.9	1.2
ALBERTA	0.4	32.9	93.9	128.2	84.2	26.2	3.5	0.1

AGE-STANDARDIZED LIVE BIRTH RATES (PER 1,000 FEMALES), 1987

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	65.9	61.4	70.4	10	1.18	YES
ALBERTA WEST CENTRAL	65.5	60.8	70.2	11	1.17	YES
ATHABASCA	83.2	77.0	89.4	2	1.49	YES
BANFF NATIONAL PARK	24.5	18.8	30.2	27	0.44	.
BARONS-EUREKA-WARNER	77.4	71.8	83.0	4	1.39	YES
BIG COUNTRY	72.7	62.7	82.7	6	1.30	YES
CALGARY	52.1	51.1	53.0	24	0.93	.
CHINOOK	73.0	67.5	78.5	5	1.31	YES
DRUMHELLER	67.6	61.9	73.3	9	1.21	YES
EDMONTON	52.7	51.7	53.7	21	0.94	.
FOOTHILLS	64.7	59.0	70.4	12	1.16	YES
FORT MCMURRAY	52.4	48.5	56.3	23	0.94	.
HIGH LEVEL-FORT VERMILION	105.8	95.6	116.1	1	1.90	YES
JASPER NATIONAL PARK	46.8	35.3	58.4	25	0.84	
LEDUC-STRATHCONA	55.1	52.1	58.0	18	0.99	.
LETHBRIDGE	54.0	50.5	57.4	20	0.97	.
MINBURN-VERMILION	35.7	32.1	39.3	26	0.64	.
MOUNT VIEW	61.3	57.4	65.2	13	1.10	YES
NORTH EASTERN ALBERTA	72.0	67.5	76.5	7	1.29	YES
PEACE RIVER	82.7	77.1	88.3	3	1.48	YES
RED DEER REGIONAL	57.8	55.3	60.2	16	1.04	.
SOUTHEASTERN ALBERTA	52.5	49.4	55.6	22	0.94	.
SOUTH PEACE	54.4	51.1	57.6	19	0.97	.
STONY PLAIN-LAC STE. ANNE	59.5	55.9	63.2	15	1.07	YES
STURGEON	59.9	56.9	63.0	14	1.07	YES
VEGREVILLE	57.7	51.4	63.9	17	1.03	.
WETOKA	69.9	64.5	75.3	8	1.25	YES
ALBERTA	55.8	55.3	56.4			

HEALTH UNITS OF ALBERTA



NUMBER OF FIRST ORDER LIVE BIRTHS, 1987

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
ALBERTA EAST CENTRAL	0	38	125	89	21	6	0	0	279
ALBERTA WEST CENTRAL	1	63	91	82	16	3	0	0	256
ATHABASCA	2	91	93	57	12	3	0	0	258
BANFF NATIONAL PARK	0	4	10	18	12	2	0	0	46
BARONS-EUREKA-WARNER	1	49	94	65	13	0	0	0	222
BIG COUNTRY	0	7	33	29	8	1	0	0	78
CALGARY	4	453	1316	1973	1015	203	18	0	4982
CHINOOK	1	58	93	48	11	6	0	0	217
DRUMHELLER	0	36	65	63	20	3	0	0	187
EDMONTON	9	635	1314	1651	652	137	8	0	4406
FOOTHILLS	0	15	47	56	23	4	1	0	146
FORT MCMURRAY	1	58	94	99	35	11	1	0	299
HIGH LEVEL-FORT VERMILION	2	48	39	14	3	0	0	0	106
JASPER NATIONAL PARK	0	1	12	17	9	0	0	0	39
LEDUC-STRATHCONA	2	56	147	225	82	9	2	0	523
LETHBRIDGE	1	60	132	131	60	10	0	0	394
MINBURN-VERMILION	0	26	62	43	8	3	1	0	143
MOUNT VIEW	1	25	113	130	68	9	0	0	346
NORTH EASTERN ALBERTA	1	76	140	105	31	4	0	0	357
PEACE RIVER	0	86	111	66	21	5	0	0	289
RED DEER REGIONAL	2	134	345	266	75	15	0	0	837
SOUTHEASTERN ALBERTA	1	66	161	155	30	10	1	0	424
SOUTH PEACE	1	70	157	115	41	6	2	0	392
STONY PLAIN-LAC STE. ANNE	0	69	108	107	35	8	0	0	327
STURGEON	1	69	164	210	60	17	2	0	523
VEGREVILLE	0	20	46	30	13	3	0	0	112
WETOKA	0	46	82	68	29	5	0	0	230
ALBERTA	31	2359	5194	5912	2403	483	36	0	16418

NUMBER OF SECOND ORDER LIVE BIRTHS, 1987

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
ALBERTA EAST CENTRAL	0	8	104	117	48	8	0	0	285
ALBERTA WEST CENTRAL	0	15	95	122	44	9	0	0	285
ATHABASCA	0	32	95	60	31	6	1	0	225
BANFF NATIONAL PARK	0	0	5	11	6	2	0	0	24
BARONS-EUREKA-WARNER	0	5	84	98	36	5	0	0	228
BIG COUNTRY	0	0	24	26	8	1	0	0	59
CALGARY	0	88	695	1743	1335	306	25	0	4192
CHINOOK	0	22	83	00	29	7	0	0	221
DRUMHELLER	0	7	63	81	32	7	0	0	190
EDMONTON	0	126	832	1410	1019	214	16	0	3617
FOOTHILLS	0	5	38	96	48	12	1	0	200
FORT MCMURRAY	0	4	60	99	59	9	1	0	232
HIGH LEVEL-FORT VERMILION	0	15	58	28	11	4	0	0	116
JASPER NATIONAL PARK	0	0	3	9	7	4	0	0	23
LEDUC-STRATHCONA	0	4	96	250	143	27	1	0	521
LETHBRIDGE	0	13	79	148	73	15	1	0	329
MINBURN-VERMILION	0	9	41	63	10	6	1	0	130
MOUNT VIEW	0	5	77	168	95	20	1	0	366
NORTH EASTERN ALBERTA	0	22	107	116	49	4	1	0	299
PEACE RIVER	0	29	95	95	36	7	1	0	263
RED DEER REGIONAL	0	32	220	341	163	29	1	0	786
SOUTHEASTERN ALBERTA	0	18	111	171	83	10	0	0	393
SOUTH PEACE	0	24	95	176	48	10	0	0	353
STONY PLAIN-LAC STE. ANNE	0	15	107	157	78	15	2	0	374
STURGEON	0	11	121	257	120	22	2	0	533
VEGREVILLE	0	2	35	56	23	5	0	0	121
WETOKA	0	9	76	88	44	6	0	0	223
ALBERTA	0	520	3499	6066	3678	770	55	0	14588

NUMBER OF THIRD OR HIGHER ORDER LIVE BIRTHS, 1987

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
ALBERTA EAST CENTRAL	0	0	36	123	84	18	5	0	266
ALBERTA WEST CENTRAL	0	1	28	96	68	17	3	0	213
ATHABASCA	0	5	60	84	53	16	2	0	220
BANFF NATIONAL PARK	0	0	0	3	0	2	0	0	5
BARONS-EUREKA-WARNER	0	1	30	121	97	29	8	0	286
BIG COUNTRY	0	0	13	29	23	3	0	0	68
CALGARY	0	7	248	768	894	330	52	1	2300
CHINOOK	0	2	49	103	68	29	6	0	257
DRUMHELLER	0	1	21	67	64	14	2	1	170
EDMONTON	0	13	337	832	729	269	37	2	2219
FOOTHILLS	0	0	18	54	71	18	4	0	165
FORT MCMURRAY	0	0	25	64	46	17	3	0	155
HIGH LEVEL-FORT VERMILION	0	1	47	80	45	25	11	0	209
JASPER NATIONAL PARK	0	0	0	3	2	1	0	0	6
LEDUC-STRATHCONA	0	0	36	130	161	48	4	1	380
LETHBRIDGE	0	0	28	93	74	30	2	0	227
MINBURN-VERMILION	0	0	8	57	32	4	2	0	103
MOUNT VIEW	0	0	26	110	110	31	6	0	283
NORTH EASTERN ALBERTA	0	5	73	141	79	19	3	0	320
PEACE RIVER	0	3	66	113	88	20	1	0	291
RED DEER REGIONAL	0	2	78	208	143	56	1	1	489
SOUTHEASTERN ALBERTA	0	3	37	127	111	25	3	0	306
SOUTH PEACE	0	3	54	141	97	33	3	0	331
STONY PLAIN-LAC STE. ANNE	0	2	51	144	108	20	3	0	328
STURGEON	0	0	46	177	162	54	2	0	441
VEGREVILLE	0	0	18	36	28	18	2	0	102
WETOKA	0	1	34	78	66	10	1	1	191
ALBERTA	0	50	1467	3982	3503	1156	166	7	10331

NUMBER OF LIVE BIRTHS IN WEIGHT (GRAMS) CATEGORIES, 1987

HEALTH UNIT	<1000	1000-1499	1500-1999	2000-2499	2500-2999	3000-4499	4500+	TOTAL
ALBERTA EAST CENTRAL	2	7	8	29	114	653	17	830
ALBERTA WEST CENTRAL	2	5	8	26	123	582	8	754
ATHABASCA	2	2	6	27	111	538	17	703
BANFF NATIONAL PARK	0	0	0	5	13	57	0	75
BARONS-EUREKA-WARNER	3	0	4	26	113	575	15	736
BIG COUNTRY	0	0	3	2	32	167	1	205
CALGARY	42	56	129	439	1997	8637	174	11474
CHINOOK	4	2	10	23	109	528	19	695
DRUMHELLER	3	2	5	13	76	438	10	547
EDMONTON	38	58	131	382	1713	7785	135	10242
FOOTHILLS	2	2	5	11	97	386	8	511
FORT MCMURRAY	4	2	4	24	90	541	21	686
HIGH LEVEL-FORT VERMILION	0	7	5	9	55	341	14	431
JASPER NATIONAL PARK	0	0	0	1	17	50	0	68
LEDUC-STRATHCONA	5	9	17	46	208	1119	20	1424
LETHBRIDGE	7	3	13	31	161	725	10	950
MINBURN-VERMILION	7	5	8	8	47	297	4	376
MOUNT VIEW	4	1	11	39	147	779	14	995
NORTH EASTERN ALBERTA	4	7	7	32	132	772	22	976
PEACE RIVER	2	0	5	24	120	666	26	843
RED DEER REGIONAL	10	7	17	74	349	1623	32	2112
SOUTHEASTERN ALBERTA	1	5	8	35	155	896	23	1123
SOUTH PEACE	2	5	10	30	152	853	24	1076
STONY PLAIN-LAC STE. ANNE	5	8	9	25	147	815	20	1029
STURGEON	2	3	15	53	210	1190	24	1497
VEGREVILLE	1	0	4	6	56	260	8	335
WETOKA	1	6	8	33	93	494	9	644
ALBERTA	**153**	**202**	**450**	**1453**	**6637**	**31767**	**675**	**41337**

PERCENT OF LIVE BIRTHS IN WEIGHT (GRAMS) CATEGORIES, 1987

HEALTH UNIT	<1000	1000-1499	1500-1999	2000-2499	2500-2999	3000-4499	4500+
ALBERTA EAST CENTRAL	0.2	0.8	1.0	3.5	13.7	78.7	2.0
ALBERTA WEST CENTRAL	0.3	0.7	1.1	3.4	16.3	77.2	1.1
ATHABASCA	0.3	0.3	0.9	3.8	15.8	76.5	2.4
BANFF NATIONAL PARK	0.0	0.0	0.0	6.7	17.3	76.0	0.0
BARONS-EUREKA-WARNER	0.4	0.0	0.5	3.5	15.4	78.1	2.0
BIG COUNTRY	0.0	0.0	1.5	1.0	15.6	81.5	0.5
CALGARY	0.4	0.5	1.1	3.8	17.4	75.3	1.5
CHINOOK	0.6	0.3	1.4	3.3	15.7	76.0	2.7
DRUMHELLER	0.5	0.4	0.9	2.4	13.9	80.1	1.8
EDMONTON	0.4	0.6	1.3	3.7	16.7	76.0	1.3
FOOTHILLS	0.4	0.4	1.0	2.2	19.0	75.5	1.6
FORT MCMURRAY	0.6	0.3	0.6	3.5	13.1	78.9	3.1
HIGH LEVEL-FORT VERMILION	0.0	1.6	1.2	2.1	12.8	79.1	3.2
JASPER NATIONAL PARK	0.0	0.0	0.0	1.5	25.0	73.5	0.0
LEDUC-STRATHCONA	0.4	0.6	1.2	3.2	14.6	78.6	1.4
LETHBRIDGE	0.7	0.3	1.4	3.3	16.9	76.3	1.1
MINBURN-VERMILION	1.9	1.3	2.1	2.1	12.5	79.0	1.1
MOUNT VIEW	0.4	0.1	1.1	3.9	14.8	78.3	1.4
NORTH EASTERN ALBERTA	0.4	0.7	0.7	3.3	13.5	79.1	2.3
PEACE RIVER	0.2	0.0	0.6	2.8	14.2	79.0	3.1
RED DEER REGIONAL	0.5	0.3	0.8	3.5	16.5	76.8	1.5
SOUTHEASTERN ALBERTA	0.1	0.4	0.7	3.1	13.8	79.8	2.0
SOUTH PEACE	0.2	0.5	0.9	2.8	14.1	79.3	2.2
STONY PLAIN-LAC STE. ANNE	0.5	0.8	0.9	2.4	14.3	79.2	1.9
STURGEON	0.1	0.2	1.0	3.5	14.0	79.5	1.6
VEGREVILLE	0.3	0.0	1.2	1.8	16.7	77.6	2.4
WETOKA	0.2	0.9	1.2	5.1	14.4	76.7	1.4
ALBERTA	**0.4**	**0.5**	**1.1**	**3.5**	**16.1**	**76.8**	**1.6**

NUMBER OF LIVE BIRTHS TO SINGLE MOTHERS, 1987

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
ALBERTA EAST CENTRAL	0	31	32	12	4	2	0	0	81
ALBERTA WEST CENTRAL	1	52	47	26	1	1	0	0	128
ATHABASCA	2	93	118	46	19	6	1	0	285
BANFF NATIONAL PARK	0	3	2	4	2	1	0	0	12
BARONS-EUREKA-WARNER	1	30	23	10	2	0	0	0	66
BIG COUNTRY	0	4	6	5	0	0	0	0	15
CALGARY	4	386	609	295	108	31	1	0	1434
CHINOOK	1	68	85	27	14	7	0	0	202
DRUMHELLER	0	34	30	8	7	1	0	0	80
EDMONTON	9	619	795	397	113	37	4	0	1974
FOOTHILLS	0	14	16	9	5	0	1	0	45
FORT MCMURRAY	1	54	71	44	8	1	0	0	179
HIGH LEVEL-FORT VERMILION	2	48	64	19	10	3	0	0	146
JASPER NATIONAL PARK	0	1	5	4	1	0	0	0	11
LEDUC-STRATHCONA	2	49	47	19	8	3	0	0	128
LETHBRIDGE	1	58	53	30	14	7	0	0	163
MINBURN-VERMILION	0	23	23	4	2	0	0	0	52
MOUNT VIEW	1	19	24	13	3	0	0	0	60
NORTH EASTERN ALBERTA	1	79	103	35	13	4	0	0	235
PEACE RIVER	0	96	98	38	16	3	0	0	251
RED DEER REGIONAL	2	117	162	56	19	5	0	0	361
SOUTHEASTERN ALBERTA	1	59	61	22	7	2	0	0	152
SOUTH PEACE	1	75	75	36	13	2	0	0	202
STONY PLAIN-LAC STE. ANNE	0	65	65	27	5	1	1	0	164
STURGEON	1	54	45	28	7	1	0	0	136
VEGREVILLE	0	17	16	7	1	1	0	0	42
WETOKA	0	40	46	17	10	3	0	0	116
ALBERTA	**31**	**2188**	**2721**	**1238**	**412**	**122**	**8**	**0**	**6720**

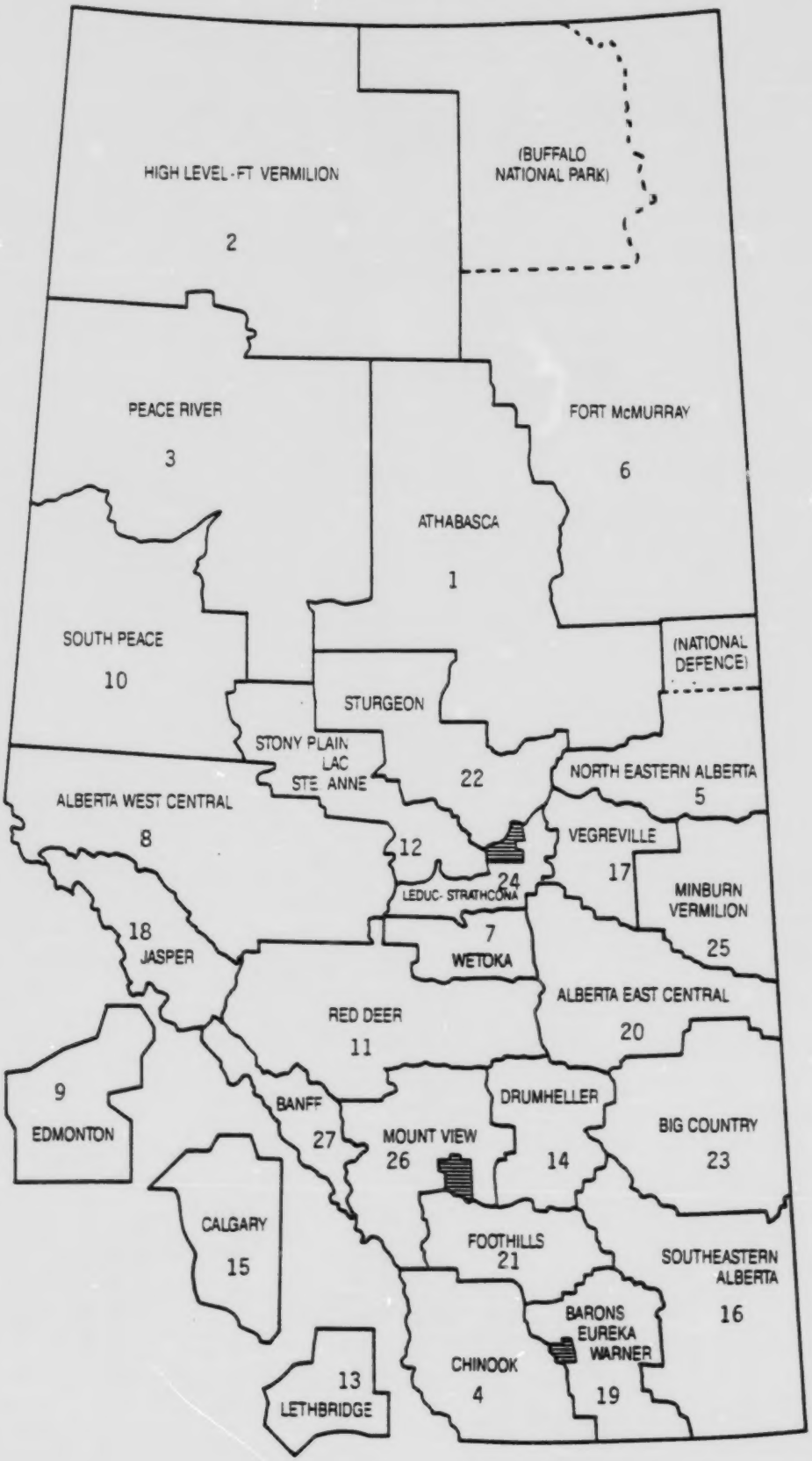
AGE-SPECIFIC LIVE BIRTH RATES (PER 1,000 SINGLE MOTHERS), 1987

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
ALBERTA EAST CENTRAL	0.0	15.8	17.4	6.0	2.0	1.2	0.0	0
ALBERTA WEST CENTRAL	0.6	34.3	28.8	13.6	0.5	0.7	0.0	0
ATHABASCA	1.4	66.4	96.7	36.0	16.1	6.0	1.2	0
BANFF NATIONAL PARK	0.0	7.7	2.5	7.8	5.4	3.3	0.0	0
BARONS-EUREKA-WARNER	0.6	18.1	17.3	6.5	1.4	0.0	0.0	0
BIG COUNTRY	0.0	8.6	13.9	11.3	0.0	0.0	0.0	0
CALGARY	0.2	17.3	19.4	7.7	3.2	1.2	0.0	0
CHINOOK	0.6	41.1	65.5	17.7	9.7	5.5	0.0	0
DRUMHELLER	0.0	25.2	27.1	6.2	5.3	0.9	0.0	0
EDMONTON	0.6	30.5	25.0	11.7	4.0	1.8	0.2	0
FOOTHILLS	0.0	11.6	17.7	7.1	3.5	0.0	0.9	0
FORT MCMURRAY	0.6	33.8	41.3	19.0	3.8	0.6	0.0	0
HIGH LEVEL-FORT VERMILION	2.4	68.2	92.1	28.4	21.2	8.9	0.0	0
JASPER NATIONAL PARK	0.0	7.3	14.7	15.3	5.6	0.0	0.0	0
LEDUC-STRATHCONA	0.4	10.7	15.4	4.9	1.6	0.6	0.0	0
LETHBRIDGE	0.5	26.6	19.4	10.5	5.2	3.2	0.0	0
MINBURN-VERMILION	0.0	15.6	14.6	2.4	1.3	0.0	0.0	0
MOUNT VIEW	0.4	8.9	13.0	4.9	1.0	0.0	0.0	0
NORTH EASTERN ALBERTA	0.5	40.6	47.7	15.9	7.2	2.7	0.0	0
PEACE RIVER	0.0	61.9	67.5	23.0	10.6	2.5	0.0	0
RED DEER REGIONAL	0.4	25.6	29.5	9.2	3.5	1.1	0.0	0
SOUTHEASTERN ALBERTA	0.4	21.3	19.1	6.2	2.2	0.8	0.0	0
SOUTH PEACE	0.4	28.7	25.8	10.9	4.3	0.9	0.0	0
STONY PLAIN-LAC STE. ANNE	0.0	27.0	31.1	9.4	1.6	0.4	0.5	0
STURGEON	0.2	14.4	14.2	7.1	1.6	0.2	0.0	0
VEGREVILLE	0.0	16.4	21.1	7.9	1.0	1.0	0.0	0
WETOKA	0.0	29.4	35.9	11.4	6.8	2.4	0.0	0
ALBERTA	**0.4**	**24.6**	**25.2**	**9.9**	**3.6**	**1.3**	**0.1**	**0**

AGE-STANDARDIZED LIVE BIRTH RATES (PER 1,000 SINGLE MOTHERS), 1987

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	5.9	4.6	7.2	20	0.65	.
ALBERTA WEST CENTRAL	10.9	9.0	12.7	8	1.20	YES
ATHABASCA	31.7	27.9	35.4	1	3.48	YES
BANFF NATIONAL PARK	3.9	1.6	6.1	27	0.43	.
BARONS-EUREKA-WARNER	6.1	4.6	7.6	19	0.67	.
BIG COUNTRY	5.0	2.4	7.5	23	0.55	.
CALGARY	6.9	6.5	7.2	15	0.76	.
CHINOOK	19.7	17.0	22.5	4	2.16	YES
DRUMHELLER	9.0	7.0	11.0	14	0.99	.
EDMONTON	10.2	9.8	10.7	9	1.12	YES
FOOTHILLS	5.8	4.1	7.5	21	0.64	.
FORT MCMURRAY	14.0	12.0	16.1	6	1.54	YES
HIGH LEVEL-FORT VERMILION	31.1	25.9	36.2	2	3.42	YES
JASPER NATIONAL PARK	6.5	2.5	10.4	18	0.71	.
LEDUC-STRATHCONA	4.7	3.9	5.6	24	0.52	.
LETHBRIDGE	9.1	7.7	10.4	13	1.00	.
MINBURN-VERMILION	4.6	3.3	5.8	25	0.51	.
MOUNT VIEW	4.0	3.0	5.0	26	0.44	.
NORTH EASTERN ALBERTA	16.0	14.0	18.1	5	1.76	YES
PEACE RIVER	23.1	20.2	26.0	3	2.54	YES
RED DEER REGIONAL	9.7	8.7	10.7	11	1.07	.
SOUTHEASTERN ALBERTA	6.9	5.8	8.0	16	0.76	.
SOUTH PEACE	9.9	8.5	11.2	10	1.09	.
STONY PLAIN-LAC STE. ANNE	9.7	8.2	11.2	12	1.07	.
STURGEON	5.3	4.4	6.2	22	0.58	.
VEGREVILLE	6.7	4.6	8.7	17	0.74	.
WETOKA	12.0	9.8	14.2	7	1.32	YES
ALBERTA	**9.1**	**8.9**	**9.3**			

HEALTH UNITS OF ALBERTA



PERCENT OF LIVE BIRTHS TO SINGLE MOTHERS, 1987

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
ALBERTA EAST CENTRAL	0	67	12	4	3	6	0	0	10
ALBERTA WEST CENTRAL	100	66	20	9	1	3	0	0	17
ATHABASCA	100	73	48	23	20	24	33	0	41
BANFF NATIONAL PARK	0	75	13	13	11	17	0	0	16
BARONS-EUREKA-WARNER	100	55	11	4	1	0	0	0	9
BIG COUNTRY	0	57	9	6	0	0	0	0	7
CALGARY	100	70	27	7	3	4	1	0	12
CHINOOK	100	83	38	12	13	17	0	0	29
DRUMHELLER	0	77	20	4	6	4	0	0	15
EDMONTON	100	80	32	10	5	6	7	0	19
FOOTHILLS	0	70	16	4	4	0	17	0	9
FORT MCMURRAY	100	87	40	17	6	3	0	0	26
HIGH LEVEL-FORT VERMILION	100	75	44	16	17	10	0	0	34
JASPER NATIONAL PARK	0	100	33	14	6	0	0	0	16
LEDUC-STRATHCONA	100	82	17	3	2	4	0	0	9
LETHBRIDGE	100	79	22	8	7	13	0	0	17
MINBURN-VERMILION	0	66	21	2	4	0	0	0	14
MOUNT VIEW	100	63	11	3	1	0	0	0	6
NORTH EASTERN ALBERTA	100	77	32	10	8	15	0	0	24
PEACE RIVER	0	81	36	14	11	9	0	0	30
RED DEER REGIONAL	100	70	25	7	5	5	0	0	17
SOUTHEASTERN ALBERTA	100	77	25	8	7	4	0	0	19
SOUTH PEACE	100	68	20	5	3	4	0	0	14
STONY PLAIN-LAC STE. ANNE	0	76	24	7	2	2	20	0	16
STURGEON	100	68	14	4	2	1	0	0	9
VEGREVILLE	0	77	16	6	2	4	0	0	13
WETOKA	0	71	24	7	7	14	0	0	18
ALBERTA	100	75	27	8	4	5	3	0	16

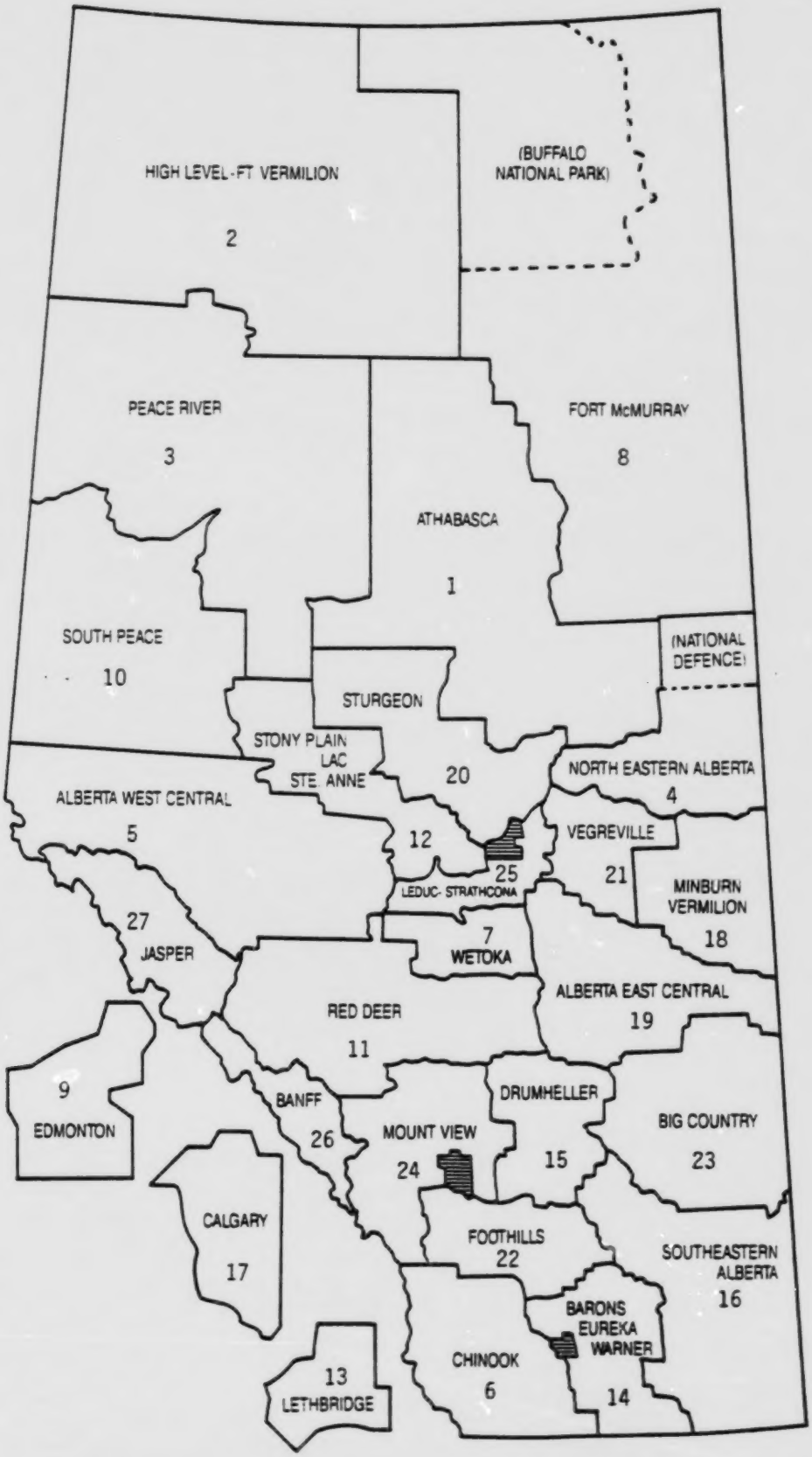
NUMBER OF TEENAGE (15-19) LIVE BIRTHS, 1987

HEALTH UNIT	NUMBER
ALBERTA EAST CENTRAL	46
ALBERTA WEST CENTRAL	79
ATHABASCA	128
BANFF NATIONAL PARK	4
BARONS-EUREKA-WARNER	55
BIG COUNTRY	7
CALGARY	548
CHINOOK	82
DRUMHELLER	44
EDMONTON	774
FOOTHILLS	20
FORT MCMURRAY	62
HIGH LEVEL-FORT VERMILION	64
JASPER NATIONAL PARK	1
LEDUC-STRATHCONA	60
LETHBRIDGE	73
MINBURN-VERMILION	35
MOUNT VIEW	30
NORTH EASTERN ALBERTA	103
PEACE RIVER	118
RED DEER REGIONAL	168
SOUTHEASTERN ALBERTA	87
SOUTH PEACE	97
STONY PLAIN-LAC STE. ANNE	86
STURGEON	80
VEGREVILLE	22
WETOKA	56
ALBERTA	**2929**

TEENAGE (15-19) LIVE BIRTH RATES (PER 1,000 FEMALES), 1987

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	23.4	16.6	30.2	19	0.71	.
ALBERTA WEST CENTRAL	52.1	40.6	63.6	5	1.58	YES
ATHABASCA	91.4	75.6	107.2	1	2.78	YES
BANFF NATIONAL PARK	10.3	0.2	20.4	26	0.31	.
BARONS-EUREKA-WARNER	33.1	24.4	41.9	14	1.01	.
BIG COUNTRY	15.0	3.9	26.1	23	0.46	.
CALGARY	24.6	22.5	26.7	17	0.75	.
CHINOOK	49.6	38.9	60.3	6	1.51	YES
DRUMHELLER	32.6	23.0	42.2	15	0.99	.
EDMONTON	38.2	35.5	40.9	9	1.16	YES
FOOTHILLS	16.5	9.3	23.7	22	0.50	.
FORT MCMURRAY	38.8	29.1	48.5	8	1.18	.
HIGH LEVEL-FORT VERMILION	90.9	68.6	113.2	2	2.76	YES
JASPER NATIONAL PARK	7.3	-7.0	21.6	27	0.22	.
LEDUC-STRATHCONA	13.1	9.8	16.4	25	0.40	.
LETHBRIDGE	33.5	25.8	41.1	13	1.02	.
MINBURN-VERMILION	23.7	15.8	31.5	18	0.72	.
MOUNT VIEW	14.0	9.0	19.0	24	0.43	.
NORTH EASTERN ALBERTA	53.0	42.8	63.2	4	1.61	YES
PEACE RIVER	76.1	62.4	89.8	3	2.31	YES
RED DEER REGIONAL	36.8	31.2	42.4	11	1.12	.
SOUTHEASTERN ALBERTA	31.4	24.8	38.0	16	0.95	.
SOUTH PEACE	37.1	29.7	44.5	10	1.13	.
STONY PLAIN-LAC STE. ANNE	35.8	28.2	43.4	12	1.09	.
STURGEON	21.3	16.6	26.0	20	0.65	.
VEGREVILLE	21.3	12.4	30.2	21	0.65	.
WETOKA	41.2	30.4	52.0	7	1.25	.
ALBERTA	33.0	31.8	34.2			

HEALTH UNITS OF ALBERTA



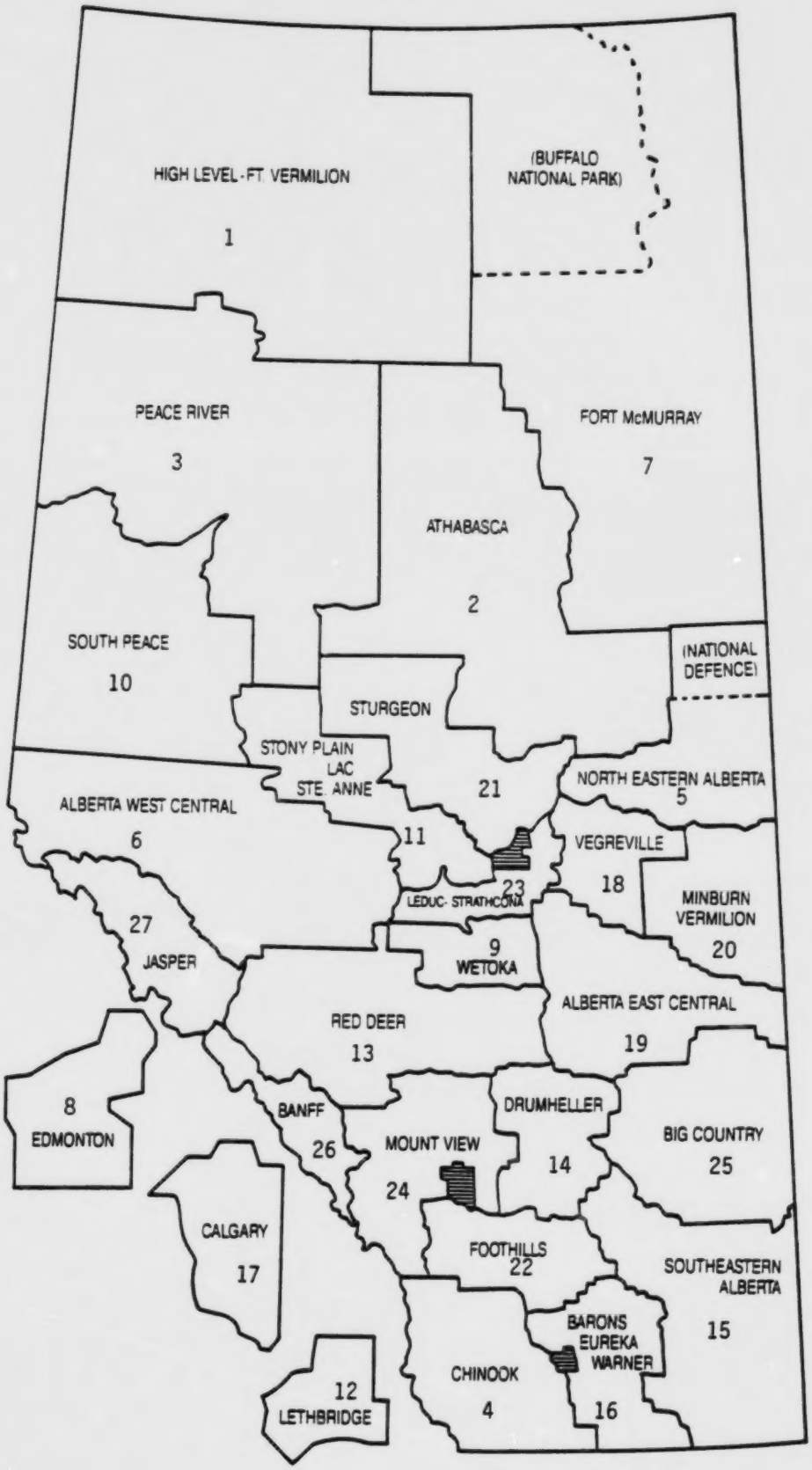
NUMBER OF LIVE BIRTHS TO SINGLE TEENAGE (15-19) MOTHERS, 1987

HEALTH UNIT	NUMBER
ALBERTA EAST CENTRAL	31
ALBERTA WEST CENTRAL	52
ATHABASCA	93
BANFF NATIONAL PARK	3
BARONS-EUREKA-WARNER	30
BIG COUNTRY	4
CALGARY	386
CHINOOK	68
DRUMHELLER	34
EDMONTON	619
FOOTHILLS	14
FORT MCMURRAY	54
HIGH LEVEL-FORT VERMILION	48
JASPER NATIONAL PARK	1
LEDUC-STRATHCONA	49
LETHBRIDGE	58
MINBURN-VERMILION	23
MOUNT VIEW	19
NORTH EASTERN ALBERTA	79
PEACE RIVER	96
RED DEER REGIONAL	117
SOUTHEASTERN ALBERTA	59
SOUTH PEACE	75
STONY PLAIN-LAC STE. ANNE	65
STURGEON	54
VEGREVILLE	17
WETOKA	40
ALBERTA	2188

LIVE BIRTH RATES (PER 1,000 SINGLE TEENAGE MOTHERS), 1987

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	15.8	10.2	21.4	19	0.48	.
ALBERTA WEST CENTRAL	34.3	25.0	43.7	6	1.04	.
ATHABASCA	66.4	52.9	79.9	2	2.02	YES
BANFF NATIONAL PARK	7.7	-1.0	16.4	26	0.23	.
BARONS-EUREKA-WARNER	18.1	11.6	24.5	16	0.55	.
BIG COUNTRY	8.6	0.2	17.0	25	0.26	.
CALGARY	17.3	15.6	19.0	17	0.53	.
CHINOOK	41.1	31.3	50.9	4	1.25	.
DRUMHELLER	25.2	16.7	33.6	14	0.76	.
EDMONTON	30.5	28.0	32.9	8	0.93	.
FOOTHILLS	11.6	5.5	17.6	22	0.35	.
FORT MCMURRAY	33.8	24.8	42.8	7	1.03	.
HIGH LEVEL-FORT VERMILION	68.2	48.9	87.5	1	2.07	YES
JASPER NATIONAL PARK	7.3	-7.0	21.6	27	0.22	.
LEDUC-STRATHCONA	10.7	7.7	13.7	23	0.32	.
LETHBRIDGE	26.6	19.8	33.5	12	0.81	.
MINBURN-VERMILION	15.6	9.2	21.9	20	0.47	.
MOUNT VIEW	8.9	4.9	12.9	24	0.27	.
NORTH EASTERN ALBERTA	40.6	31.6	49.6	5	1.23	YES
PEACE RIVER	61.9	49.5	74.3	3	1.88	YES
RED DEER REGIONAL	25.6	21.0	30.3	13	0.78	.
SOUTHEASTERN ALBERTA	21.3	15.9	26.8	15	0.65	.
SOUTH PEACE	28.7	22.2	35.2	10	0.87	.
STONY PLAIN-LAC STE. ANNE	27.0	20.5	33.6	11	0.82	.
STURGEON	14.4	10.5	18.2	21	0.44	.
VEGREVILLE	16.4	8.6	24.3	18	0.50	.
WETOKA	29.4	20.3	38.5	9	0.89	.
ALBERTA	**24.7**	**23.6**	**25.6**			

HEALTH UNITS OF ALBERTA



LIVE BIRTHS TO SINGLE TEENAGE MOTHERS, 1987

CHAPTER 2
STILLBIRTHS, INFANT MORTALITY AND PERINATAL DEATHS
1987

DESCRIPTION OF TABLES

This chapter presents fairly detailed information on stillbirths and infant mortality in Alberta and the health units. First, data for stillbirths are provided. This is followed by infant mortality rates which also include perinatal, early neonatal, late neonatal and post-neonatal mortality. The following figure illustrates the concept of stillbirths and infant mortality.

FIGURE A:

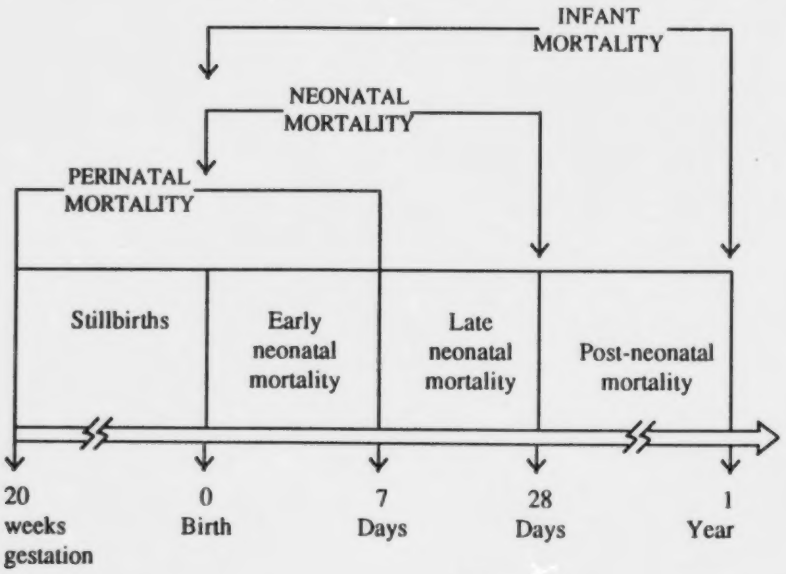


Table 2.1 and Table 2.2 give the number of stillbirths among married females by age group and health units. Once again, the totals for the health units and Alberta are provided. Similarly, Table 2.2 shows the number of stillbirths among single females.

Table 2.3 presents the stillbirth ratios (per 1,000 births) for the health units and Alberta. Stillbirth ratios are defined by:

$$\frac{\text{stillbirths}}{\text{live births}} \times 1{,}000$$

It is the number of stillbirths relative to the number of live births. Since stillbirth statistics are less reliable than might be wished, stillbirth ratios should be interpreted with caution.

Table 2.4 shows the number and rate of infant deaths for each health unit. Infant death rate is defined by:

$$\frac{\text{number of deaths under 1 Year of Age}}{\text{number of live births}} \times 1{,}000$$

It should be noted that in 1987 there was a total of 326 infant deaths in the province. Of these 7 occurred in Indian reserves and for another 13 infant deaths the health unit codes were not specified. Thus the infant deaths and the rates shown in this table deal with 94% of the total Alberta infant deaths.

Table 2.5 gives the age distribution of infant deaths (early neonatal, late neonatal, and post-neonatal deaths).

Table 2.6 gives the number of perinatal deaths and perinatal death rates (per 1,000 births). Perinatal deaths consist of stillbirths and deaths within the first week of life. The perinatal death rate is defined by:

$$\frac{\text{stillbirths and first week deaths}}{\text{stillbirths and live births}} \times 1{,}000$$

Since stillbirths and first week deaths are approximately equal, and since stillbirth statistics are somewhat unreliable, as mentioned earlier, perinatal death rates must be also interpreted with caution.

Table 2.7 and Table 2.8 show the number and percentage of three major causes of early neonatal mortality from 1985 to 1987 inclusive for males and females respectively.

Table 2.9 and Table 2.10 give the number and percentage of three major causes of late neonatal and post-natal mortality from 1985 to 1987 inclusive for males and females respectively.

The ICD-9 rubrics used in Tables 2.7 to 2.10 are as follows:

Congenital	740.0 - 759.9
Respiratory	769.0
SIDS	798.0
Other	All other codes

NUMBER OF STILLBIRTHS AMONG MARRIED FEMALES, 1987

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
ALBERTA EAST CENTRAL	0	0	0	3	1	0	0	0	4
ALBERTA WEST CENTRAL	0	0	3	3	0	0	0	0	6
ATHABASCA	0	0	0	0	1	0	0	0	1
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	1	0	0	0	0	0	1
BIG COUNTRY	0	0	1	0	0	0	0	0	1
CALGARY	0	1	8	15	24	9	0	0	57
CHINOOK	0	0	0	0	1	0	0	0	1
DRUMHELLER	0	1	1	2	1	1	0	0	6
EDMONTON	0	1	8	13	16	3	0	0	41
FOOTHILLS	0	0	0	1	0	1	0	0	2
FORT MCMURRAY	0	0	0	0	1	0	0	0	1
HIGH LEVEL-FORT VERMILION	0	0	3	0	0	0	0	0	3
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	2	5	0	0	0	0	7
LETHBRIDGE	0	0	1	3	2	2	0	0	8
MINBURN-VERMILION	0	0	0	1	0	1	0	0	2
MOUNT VIEW	0	0	0	2	1	1	0	0	4
NORTH EASTERN ALBERTA	0	0	1	1	0	0	0	0	2
PEACE RIVER	0	1	1	1	0	0	0	0	3
RED DEER REGIONAL	0	0	0	0	0	1	0	0	1
SOUTHEASTERN ALBERTA	0	1	2	1	2	0	0	0	6
SOUTH PEACE	0	0	1	1	0	2	0	0	4
STONY PLAIN-LAC STE. ANNE	0	1	0	2	2	0	0	0	5
STURGEON	0	0	2	3	2	0	0	0	7
VEGREVILLE	0	0	0	1	1	0	0	0	2
WETOKA	0	0	0	1	0	0	0	0	1
ALBERTA	**0**	**6**	**35**	**59**	**55**	**21**	**0**	**0**	**176**

NUMBER OF STILLBIRTHS AMONG SINGLE FEMALES, 1987

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
ALBERTA EAST CENTRAL	0	0	1	0	0	0	0	0	1
ALBERTA WEST CENTRAL	0	1	1	0	0	0	0	0	2
ATHABASCA	0	1	1	1	1	0	0	0	4
BANFF NATIONAL PARK	0	1	1	0	0	0	0	0	2
BARONS-EUREKA-WARNER	0	0	1	0	0	0	0	0	1
BIG COUNTRY	0	0	0	0	0	0	0	0	0
CALGARY	0	5	3	2	1	0	0	0	11
CHINOOK	0	3	1	0	0	0	0	0	4
DRUMHELLER	0	0	0	0	0	0	0	0	0
EDMONTON	0	5	4	6	1	0	0	0	16
FOOTHILLS	0	0	0	0	0	1	0	0	1
FORT MCMURRAY	0	0	0	1	0	0	0	0	1
HIGH LEVEL-FORT VERMILION	0	1	2	0	0	0	0	0	3
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	2	0	0	1	0	0	0	3
LETHBRIDGE	0	1	0	0	0	0	0	0	1
MINBURN-VERMILION	0	1	0	0	0	0	0	0	1
MOUNT VIEW	0	0	0	1	0	0	0	0	1
NORTH EASTERN ALBERTA	0	1	1	0	0	0	0	0	2
PEACE RIVER	0	0	3	0	1	0	0	0	4
RED DEER REGIONAL	0	2	1	0	0	0	0	0	3
SOUTHEASTERN ALBERTA	0	2	0	0	0	0	0	0	2
SOUTH PEACE	2	2	0	0	0	0	0	0	2
STONY PLAIN-LAC STE. ANNE	0	0	0	3	0	0	0	0	3
STURGEON	0	1	0	0	0	0	0	0	1
VEGREVILLE	0	0	0	0	0	0	0	0	0
WETOKA	0	0	2	1	0	0	0	0	3
ALBERTA	0	29	22	15	5	1	0	0	72

STILLBIRTH RATIOS (PER 1,000 BIRTHS), 1987

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
ALBERTA EAST CENTRAL	0.0	0.0	3.8	9.1	6.5	0.0	0.0	0.0	6.0
ALBERTA WEST CENTRAL	0.0	12.7	18.7	10.0	0.0	0.0	0.0	0.0	10.6
ATHABASCA	0.0	7.8	4.0	5.0	20.8	0.0	0.0	0.0	7.1
BANFF NATIONAL PARK	0.0	250.0	66.7	0.0	0.0	0.0	0.0	0.0	26.7
BARONS-EUREKA-WARNER	0.0	0.0	9.6	0.0	0.0	0.0	0.0	0.0	2.7
BIG COUNTRY	0.0	0.0	14.3	0.0	0.0	0.0	0.0	0.0	4.9
CALGARY	0.0	11.0	4.9	3.8	7.7	10.7	0.0	0.0	5.9
CHINOOK	0.0	36.4	4.4	0.0	9.3	0.0	0.0	0.0	7.2
DRUMHELLER	0.0	22.7	6.7	9.5	8.6	41.7	0.0	0.0	11.0
EDMONTON	0.0	7.8	4.9	4.9	7.1	4.8	0.0	0.0	5.6
FOOTHILLS	0.0	0.0	0.0	4.9	0.0	58.8	0.0	0.0	5.9
FORT MCMURRAY	0.0	0.0	0.0	3.8	7.1	0.0	0.0	0.0	3.0
HIGH LEVEL-FORT VERMILION	0.0	15.6	34.7	0.0	0.0	0.0	0.0	0.0	14.0
JASPER NATIONAL PARK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LEDUC-STRATHCONA	0.0	33.3	7.2	8.3	2.6	0.0	0.0	0.0	7.0
LETHBRIDGE	0.0	13.7	4.2	8.1	9.7	36.4	0.0	0.0	9.5
MINBURN-VERMILION	0.0	28.6	0.0	6.1	0.0	76.9	0.0	0.0	3.0
MOUNT VIEW	0.0	0.0	0.0	7.4	3.7	16.7	0.0	0.0	5.1
NORTH EASTERN ALBERTA	0.0	9.7	6.3	2.8	0.0	0.0	0.0	0.0	4.7
PEACE RIVER	0.0	8.5	14.7	3.7	6.9	0.0	0.0	0.0	3.3
RED DEER REGIONAL	0.0	12.0	1.7	0.0	0.0	10.0	0.0	0.0	3.6
SOUTHEASTERN ALBERTA	0.0	34.5	6.5	2.2	8.9	0.0	0.0	0.0	21.3
SOUTH PEACE	0.0	20.6	3.3	2.3	0.0	40.8	0.0	0.0	5.6
STONY PLAIN-LAC STE. ANNE	0.0	11.6	3.8	12.3	9.1	0.0	0.0	0.0	7.8
STURGEON	0.0	12.5	6.0	4.7	5.9	0.0	0.0	0.0	5.3
VEGREVILLE	0.0	0.0	0.0	8.2	15.6	0.0	0.0	0.0	6.0
WETOKA	0.0	0.0	10.4	8.6	0.0	0.0	0.0	0.0	6.2
ALBERTA	**0.0**	**12.0**	**5.6**	**4.6**	**6.3**	**9.1**	**0.0**	**0.0**	**6.0**

NUMBER OF INFANTS DEATHS AND INFANT DEATH RATES (PER 1,000 LIVE BIRTHS), 1987

HEALTH UNIT	NUMBER	RATE
ALBERTA EAST CENTRAL	3	3.6
ALBERTA WEST CENTRAL	3	4.0
ATHABASCA	5	7.1
BANFF NATIONAL PARK	0	0.0
BARONS-EUREKA-WARNER	6	8.2
BIG COUNTRY	0	0.0
CALGARY	70	6.1
CHINOOK	4	5.8
DRUMHELLER	7	12.8
EDMONTON	99	9.7
FOOTHILLS	3	5.9
FORT MCMURRAY	5	7.3
HIGH LEVEL-FORT VERMILION	5	11.6
JASPER NATIONAL PARK	1	14.7
LEDUC-STRATHCONA	9	6.3
LETHBRIDGE	14	14.7
MINBURN-VERMILION	9	23.9
MOUNT VIEW	9	9.0
NORTH EASTERN ALBERTA	10	10.2
PEACE RIVER	1	1.2
RED DEER REGIONAL	10	4.7
SOUTHEASTERN ALBERTA	3	2.7
SOUTH PEACE	4	3.7
STONY PLAIN-LAC STE. ANNE	16	15.5
STURGEON	5	3.3
VEGREVILLE	1	3.0
WETOKA	4	6.2
ALBERTA	**306**	**7.4**

AGE-SPECIFIC DISTRIBUTION OF INFANT DEATHS, 1987

HEALTH UNIT	INFANT DEATHS			PERCENTAGE DISTRIBUTION		
	Less than 7 Days	7-27 days	28 days and over	Less than 7 days	7-27 days	28 days and over
ALBERTA EAST CENTRAL	1	0	2	0.3	0.0	66.7
ALBERTA WEST CENTRAL	1	1	1	33.3	33.3	33.3
ATHABASCA	1	0	4	20.0	0.0	80.0
BANFF NATIONAL PARK	0	0	0	0.0	0.0	0.0
BARONS-EUREKA-WARNER	3	1	2	50.0	16.7	33.3
BIG COUNTRY	0	0	0	0.0	0.0	0.0
CALGARY	33	8	29	47.1	11.4	41.4
CHINOOK	3	1	0	75.0	25.0	0.0
DRUMHELLER	3	2	2	42.7	28.6	28.6
EDMONTON	45	11	43	45.5	11.1	43.4
FOOTHILLS	2	0	1	66.6	0.0	33.3
FORT MCMURRAY	3	1	1	60.0	20.0	20.0
HIGH LEVEL-FORT VERMILION	2	0	3	40.0	0.0	60.0
JASPER NATIONAL PARK	0	0	1	0.0	0.0	100.0
LEDUC-STRATHCONA	3	0	6	33.3	0.0	66.7
LETHBRIDGE	7	0	7	50.0	0.0	50.0
MINBURN-VERMILION	5	1	3	55.6	11.1	33.3
MOUNT VIEW	6	1	2	66.7	11.1	22.2
NORTH EASTERN ALBERTA	3	1	6	30.0	10.0	60.0
PEACE RIVER	0	0	1	0.0	0.0	100.0
RED DEER REGIONAL	5	2	3	50.0	20.0	30.0
SOUTHEASTERN ALBERTA	1	0	2	33.3	0.0	66.7
SOUTH PEACE	1	1	2	25.0	25.0	50.0
STONY PLAIN-LAC STE. ANNE	8	2	6	50.0	12.5	37.5
STURGEON	2	0	3	40.0	0.0	60.0
VEGREVILLE	1	0	0	100.0	0.0	0.0
WETOKA	2	2	0	50.0	50.0	0.0
ALBERTA	**141**	**35**	**130**	**46.1**	**11.4**	**42.5**

NUMBER OF PERINATAL DEATHS AND PERINATAL DEATH RATES (PER 1,000 LIVE BIRTHS), 1987

HEALTH UNIT	NUMBER	RATE
ALBERTA EAST CENTRAL	6	7.2
ALBERTA WEST CENTRAL	9	11.9
ATHABASCA	6	8.5
BANFF NATIONAL PARK	2	26.7
BARONS-EUREKA-WARNER	5	6.8
BIG COUNTRY	1	4.9
CALGARY	101	8.8
CHINOOK	8	11.5
DRUMHELLER	9	16.5
EDMONTON	102	10.0
FOOTHILLS	5	9.8
FORT MCMURRAY	5	7.3
HIGH LEVEL-FORT VERMILION	8	18.6
JASPER NATIONAL PARK	0	0.0
LEDUC-STRATHCONA	13	9.1
LETHBRIDGE	16	16.8
MINBURN-VERMILION	8	21.3
MOUNT VIEW	11	11.1
NORTH EASTERN ALBERTA	17	7.2
PEACE RIVER	7	8.3
RED DEER REGIONAL	9	4.3
SOUTHEASTERN ALBERTA	7	6.2
SOUTH PEACE	9	8.4
STONY PLAIN-LAC STE. ANNE	16	15.5
STURGEON	10	6.7
VEGREVILLE	3	9.0
WETOKA	6	9.3
ALBERTA	**389**	**9.4**

MAJOR CAUSES OF EARLY NEONATAL MORTALITY (Less Than 7 Days), MALES
1985 TO 1987

HEALTH UNIT	CONGENITAL		RESPIRATORY		SIDS		OTHER		TOTAL	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
ALBERTA EAST CENTRAL	2	66.7	0	0.0	0	0.0	1	33.3	3	100.0
ALBERTA WEST CENTRAL	1	50.0	0	0.0	0	0.0	1	50.0	2	100.0
ATHABASCA	0	0.0	1	50.0	0	0.0	1	50.0	2	100.0
BANFF NATIONAL PARK	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
BARONS-EUREKA-WARNER	3	43.0	1	14.4	0	0.0	3	42.9	7	100.0
BIG COUNTRY	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CALGARY	25	42.4	10	17.0	0	0.0	24	40.7	59	100.0
CHINOOK	0	0.0	1	25.0	0	0.0	3	75.0	4	100.0
DRUMHELLER	2	66.7	0	0.0	0	0.0	1	33.3	3	100.0
EDMONTON	26	34.2	18	23.7	0	0.0	32	42.1	76	100.0
FOOTHILLS	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0
FORT MCMURRAY	1	20.0	3	60.0	0	0.0	1	20.0	5	100.0
HIGH LEVEL-FORT VERMILION	1	50.0	0	0.0	0	0.0	1	50.0	2	100.0
JASPER NATIONAL PARK	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LEDUC-STRATHCONA	5	50.0	1	10.0	0	0.0	4	40.0	10	100.0
LETHBRIDGE	0	0.0	3	50.0	0	0.0	3	50.0	6	100.0
MINBURN-VERMILION	2	33.3	1	16.7	0	0.0	3	50.0	6	100.0
MOUNT VIEW	5	55.6	2	22.2	0	0.0	2	22.2	9	100.0
NORTH EASTERN ALBERTA	2	25.0	0	0.0	0	0.0	6	75.0	8	100.0
PEACE RIVER	5	71.	0	0.0	0	0.0	2	28.6	7	100.0
RED DEER REGIONAL	6	54.6	3	27.3	0	0.0	2	18.2	11	100.0
SOUTHEASTERN ALBERTA	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SOUTH PEACE	4	57.14	0	0.0	0	0.0	3	42.9	7	100.0
STONY PLAIN-LAC STE. ANNE	6	66.7	0	0.0	0	0.0	3	33.3	9	100.0
STURGEON	0	0.0	0	0.0	0	0.0	1	100.0	1	100.0
VEGREVILLE	1	33.3	0	0.0	0	0.0	2	66.7	3	100.0
WETOKA	1	50.0	1	50.0	0	0.0	0	0.0	2	100.0
ALBERTA	**100**	**41.0**	**45**	**18.4**	**0**	**0.0**	**99**	**40.6**	**244**	**100.0**

MAJOR CAUSES OF EARLY NEONATAL MORTALITY (Less Than 7 Days), FEMALES
1985 TO 1987

HEALTH UNIT	CONGENITAL		RESPIRATORY		SIDS		OTHER		TOTAL	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
ALBERTA EAST CENTRAL	0	0.0	1	50.0	0	0.0	1	50.0	2	100.0
ALBERTA WEST CENTRAL	0	0.0	0	0.0	0	0.0	3	100.0	3	100.0
ATHABASCA	0	0.0	1	20.0	0	0.0	4	80.0	5	100.0
BANFF NATIONAL PARK	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
BARONS-EUREKA-WARNER	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
BIG COUNTRY	0	0.0	1	50.0	0	0.0	1	50.0	2	100.0
CALGARY	22	40.0	6	10.9	0	0.0	27	49.1	55	100.0
CHINOOK	2	66.6	0	0.0	0	0.0	1	33.3	3	100.0
DRUMHELLER	0	0.0	0	0.0	0	0.0	1	100.0	1	100.0
EDMONTON	20	33.9	8	13.6	0	0.0	31	52.5	59	100.0
FOOTHILLS	0	0.0	1	100.0	0	0.0	0	0.0	1	100.0
FORT MCMURRAY	1	25.0	0	0.0	0	0.0	3	75.0	4	100.0
HIGH LEVEL-FORT VERMILION	0	0.0	0	0.0	0	0.0	3	100.0	3	100.0
JASPER NATIONAL PARK	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LEDUC-STRATHCONA	3	60.0	0	0.0	0	0.0	2	40.0	5	100.0
LETHBRIDGE	2	33.3	1	16.7	0	0.0	3	50.0	6	100.0
MINBURN-VERMILION	0	0.0	1	20.0	0	0.0	4	80.0	5	100.0
MOUNT VIEW	2	33.3	2	33.3	0	0.0	2	33.3	6	100.0
NORTH EASTERN ALBERTA	1	50.0	0	0.0	0	0.0	1	50.0	2	100.0
PEACE RIVER	2	50.0	2	50.0	0	0.0	0	0.0	4	100.0
RED DEER REGIONAL	4	40.0	3	30.0	0	0.0	3	30.0	10	100.0
SOUTHEASTERN ALBERTA	1	33.3	1	33.3	0	0.0	1	33.3	3	100.0
SOUTH PEACE	1	25.0	0	0.0	0	0.0	3	75.0	4	100.0
STONY PLAIN-LAC STE. ANNE	4	66.7	1	16.7	0	0.0	1	16.7	6	100.0
STURGEON	3	42.9	1	14.3	0	0.0	3	42.9	7	100.0
VEGREVILLE	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
WETOKA	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
ALBERTA	**68**	**34.7**	**30**	**15.3**	**0**	**0.0**	**98**	**50.0**	**196**	**100.0**

MAJOR CAUSES OF LATE NEONATAL AND POST NEONATAL MORTALITY (7 Days and Over), MALES
1985 TO 1987

HEALTH UNIT	CONGENITAL		RESPIRATORY		SIDS		OTHER		TOTAL	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
ALBERTA EAST CENTRAL	2	28.6	0	0.0	3	42.7	2	28.6	7	100.0
ALBERTA WEST CENTRAL	1	20.0	0	0.0	1	20.0	3	60.0	5	100.0
ATHABASCA	1	9.1	0	0.0	6	54.5	4	36.6	11	100.0
BANFF NATIONAL PARK	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
BARONS-EUREKA-WARNER	0	0.0	0	0.0	2	50.0	2	50.0	4	100.0
BIG COUNTRY	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CALGARY	12	18.5	2	3.1	35	53.9	16	24.6	65	100.0
CHINOOK	0	0.0	0	0.0	2	50.0	2	50.0	4	100.0
DRUMHELLER	3	75.0	0	0.0	1	25.0	0	0.0	4	100.0
EDMONTON	26	26.0	5	5.0	29	29.0	40	40.0	100	100.0
FOOTHILLS	1	50.0	0	0.0	1	50.0	0	0.0	2	100.0
FORT MCMURRAY	0	0.0	0	0.0	3	75.0	1	25.0	4	100.0
HIGH LEVEL-FORT VERMILION	1	20.0	0	0.0	0	0.0	4	80.0	5	100.0
JASPER NATIONAL PARK	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LEDUC-STRATHCONA	1	12.5	0	0.0	2	25.0	5	62.5	8	100.0
LETHBRIDGE	0	0.0	1	11.1	5	55.6	3	33.3	9	100.0
MINBURN-VERMILION	1	33.3	0	0.0	0	0.0	2	66.6	3	100.0
MOUNT VIEW	1	12.5	0	0.0	3	37.5	4	50.0	8	100.0
NORTH EASTERN ALBERTA	1	16.7	0	0.0	3	50.0	2	33.3	6	100.0
PEACE RIVER	0	0.0	1	20.0	0	0.0	4	80.0	5	100.0
RED DEER REGIONAL	0	0.0	1	8.3	7	58.3	4	33.3	12	100.0
SOUTHEASTERN ALBERTA	2	28.6	0	0.0	0	0.0	5	71.4	7	100.0
SOUTH PEACE	1	9.1	0	0.0	4	36.4	6	54.5	11	100.0
STONY PLAIN-LAC STE. ANNE	1	14.1	0	0.0	4	57.1	2	28.6	7	100.0
STURGEON	1	10.0	1	10.0	3	30.0	5	50.0	10	100.0
VEGREVILLE	0	0.0	0	0.0	0	0.0	1	100.0	1	100.0
WETOKA	1	14.1	0	0.0	2	28.6	4	57.1	7	100.0
ALBERTA	**57**	**18.7**	**11**	**3.6**	**116**	**38.0**	**121**	**39.7**	**305**	**100.0**

MAJOR CAUSES OF LATE NEONATAL AND POST NEONATAL MORTALITY (7 Days and Over), FEMALES 1985 TO 1987

HEALTH UNIT	CONGENITAL		RESPIRATORY		SIDS		OTHER		TOTAL	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
ALBERTA EAST CENTRAL	1	50.0	0	0.0	1	50.0	0	0.0	2	100.0
ALBERTA WEST CENTRAL	1	20.0	0	0.0	2	40.0	2	40.0	5	100.0
ATHABASCA	0	0.0	0	0.0	2	40.0	3	60.0	5	100.0
BANFF NATIONAL PARK	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
BARONS-EUREKA-WARNER	0	0.0	0	0.0	1	100.0	0	0.0	1	100.0
BIG COUNTRY	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CALGARY	12	26.7	1	2.2	11	24.4	21	46.7	45	100.0
CHINOOK	3	50.0	0	0.0	1	16.7	2	33.3	6	100.0
DRUMHELLER	2	66.7	0	0.0	0	0.0	1	33.3	3	100.0
EDMONTON	14	19.7	0	0.0	22	30.9	35	49.3	71	100.0
FOOTHILLS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
FORT MCMURRAY	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
HIGH LEVEL-FORT VERMILION	0	0.0	0	0.0	0	0.0	4	100.0	4	100.0
JASPER NATIONAL PARK	0	0.0	0	0.0	1	50.0	1	50.0	2	100.0
LEDUC-STRATHCONA	2	18.2	2	18.2	3	27.3	4	36.4	11	100.0
LETHBRIDGE	1	16.7	0	0.0	3	50.0	2	33.3	6	100.0
MINBURN-VERMILION	1	25.0	0	0.0	2	50.0	1	25.0	4	100.0
MOUNT VIEW	0	0.0	0	0.0	2	50.0	2	50.0	4	100.0
NORTH EASTERN ALBERTA	1	33.3	0	0.0	0	0.0	2	66.7	3	100.0
PEACE RIVER	1	12.5	0	0.0	1	12.5	6	75.0	8	100.0
RED DEER REGIONAL	2	18.2	0	0.0	3	27.2	6	54.5	11	100.0
SOUTHEASTERN ALBERTA	0	0.0	0	0.0	3	100.0	0	0.0	3	100.0
SOUTH PEACE	0	0.0	0	0.0	3	0.0	3	0.0	3	100.0
STONY PLAIN-LAC STE. ANNE	5	41.7	1	8.3	3	25.0	3	25.0	12	100.0
STURGEON	2	28.6	0	0.0	2	28.6	3	43.0	7	100.0
VEGREVILLE	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
WETOKA	0	0.0	0	0.0	2	50.0	2	50.0	4	100.0
ALBERTA	**48**	**21.5**	**4**	**1.8**	**65**	**29.2**	**106**	**47.5**	**223**	**100.0**

CHAPTER 3
MALE DEATHS
1987

DESCRIPTION OF TABLES

Chapter 3 deals with deaths in the male population. The usual approach to presenting mortality data by age group uses five-year age groups in the range from 5 to 85. For technical reasons it was not possible to fit this many columns on a page, and so somewhat broader age groups were used. These have been defined by aggregating five-year age groups in such a way as to cover meaningful periods in the lifespan. For example, 5-14 for the school years, 15-24 for early adulthood, etc.

The age-specific male death rate (per 100,000 males) is defined by:

$$\frac{\text{number of deaths to males in age group}}{\text{number of males in age group}} \times 100{,}000$$

The age-standardized death rates in Chapter 3 have been standardized to the estimated male population of Alberta in 1987. So for each health unit, the male age-standardized death rate for a given cause equals the death rate that would have been observed in that health unit if it had had the age distribution of males in Alberta as a whole in 1987.

The format for Chapter 3 is basically the same as that used in Chapter 1. Following a description of the population by age group there is a series of four page units, each dealing with a specific cause of death. Each unit is structured along the lines of Table 1.3 to Table 1.5 and Figure 1.6 of Chapter 1. Note that death rates should be interpreted with considerable caution. Because there are far fewer deaths than live births per year, and because the deaths are spread out over both sexes and all age groups, the tables in Chapter 3 are much sparser looking than those of Chapter 1. As a result, the confidence intervals for the age-standardized death rates are generally quite wide. To an even greater degree this remark applies to confidence intervals for age-specific death rates (not shown). When a confidence interval lower limit extended into the negative numbers it has been reported as such; another approach would have been to arbitrarily set it equal to zero. In certain cases several health units were found to have identical (age-standardized) rates. When this happened, ranks for these health units were assigned randomly rather than giving each of the health units involved the same intermediate rank. For the most part ties were due to several health units having no deaths due to a cause, and hence a rate of zero. Note that death rates are given per 100,000 males, whereas live birth rates are per 1,000 females.

The causes of death selected for study are listed below along with the rubrics according to the International Classification of Diseases - ninth revision (ICD-9),

CAUSE OF DEATH	ICD-9 RUBRIC
All Causes	1 - 999
All Cancer	140 - 208
Colon Cancer	153 - 154
Lung Cancer	162
Prostrate Cancer	185
Diabetes Mellitus	250
Ischemic Heart Disease	410 - 414
Cerebrovascular Disease	430 - 438
Pneumonia	480 - 486
Chronic Obstuctive Lung Disease	490 - 493, 496
Liver Cirrhosis	571
Congenital Anomaly	740 - 759
Motor Vehicle Accidents	810 - 819
Suicide	950 - 959

The causes have been ordered in the table and in the chapter in ascending order of rubric number, except for prostate cancer which has been placed at the end of the Chapter. Because of this arrangement the tables and figures in this Chapter correspond by page numbers.

NUMBER IN MALE POPULATION , 1987

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	464	1763	4299	4212	4271	3314	2485	2467	2193	1523	26991
ALBERTA WEST CENTRAL	365	1462	3746	3433	4199	2853	1966	1348	695	399	20466
ATHABASCA	363	1239	3063	2839	2667	1968	1373	1238	702	501	15953
BANFF NATIONAL PARK	41	170	324	1041	1132	598	311	244	100	55	4016
BARONS-EUREKA-WARNER	374	1610	3766	3412	3203	2433	1895	1579	1027	692	19991
BIG COUNTRY	129	424	1072	1044	1142	687	621	671	449	295	6534
CALGARY	5646	21313	43526	52395	75297	49513	29293	22362	12211	6348	317904
CHINOOK	355	1476	3773	3182	3002	2431	1749	1643	1386	984	19981
DRUMHELLER	283	1153	2827	2732	2785	2312	1375	1349	1080	693	16589
EDMONTON	5186	19166	37061	49278	64079	37936	26030	22204	12781	7416	281137
FOOTHILLS	260	1192	2842	2317	2670	2593	1615	1325	974	673	16461
FORT MCMURRAY	391	1673	3677	3210	4652	3425	1454	526	110	69	19187
HIGH LEVEL-FORT VERMILION	207	817	1717	1385	1313	805	491	339	171	77	7322
JASPER NATIONAL PARK	28	99	169	489	625	279	128	140	47	59	2063
LEDUC-STRATHCONA	870	3665	10193	8442	8473	9582	5334	3264	1648	875	52346
LETHBRIDGE	412	1850	4350	4769	5180	3768	2507	2368	1966	1311	28481
MINBURN-VERMILION	355	1414	3233	3057	3470	2455	1711	1573	1206	883	19357
MOUNT VIEW	537	2296	5446	4514	5746	4869	2974	2187	1274	850	30693
NORTH EASTERN ALBERTA	487	1953	4260	4259	4644	2997	2158	1693	1232	711	24394
PEACE RIVER	371	1578	3547	3458	3340	2361	1866	1365	816	681	19383
RED DEER REGIONAL	1080	4487	9666	9728	12293	8204	5139	4104	2990	1870	59561
SOUTHEASTERN ALBERTA	661	2523	6257	6150	7173	4822	3321	3006	2373	1344	37630
SOUTH PEACE	646	2611	5922	5567	6437	4446	2824	2118	1180	886	32637
STONY PLAIN-LAC STE. ANNE	625	2564	6430	5054	5952	5486	3340	2258	1202	701	33612
STURGEON	815	3531	9109	7454	8285	8185	4713	3312	1898	1178	48480
VEGREVILLE	211	856	2274	1925	2114	1854	1385	1439	1451	1089	14598
WETOKA	321	1250	3013	2850	2934	2501	1765	1662	1242	913	18451
ALBERTA	**21483**	**84135**	**185562**	**198196**	**247078**	**172677**	**109823**	**87784**	**54404**	**33076**	**1194218**

AGE DISTRIBUTION (IN %) MALES, 1987

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	1.7	6.5	15.9	15.6	15.8	12.3	9.2	9.1	9.1	5.6
ALBERTA WEST CENTRAL	1.8	7.1	18.3	16.8	20.5	13.9	9.6	6.6	3.4	1.9
ATHABASCA	2.3	7.8	19.2	17.8	16.7	12.3	8.6	7.8	4.4	3.1
BANFF NATIONAL PARK	1.0	4.2	8.1	25.9	28.2	14.9	7.7	6.1	2.5	1.4
BARONS-EUREKA-WARNER	1.9	8.1	18.8	17.1	16.0	12.2	9.5	7.9	5.1	3.5
BIG COUNTRY	2.0	6.5	16.4	16.0	17.5	10.5	9.5	10.3	6.9	4.5
CALGARY	1.8	6.7	13.7	16.5	23.7	15.6	9.2	7.0	3.8	2.0
CHINOOK	1.8	7.4	18.9	15.9	15.0	12.2	8.8	8.2	6.9	4.9
DRUMHELLER	1.7	7.0	17.0	16.5	16.8	13.9	8.3	8.1	6.5	4.2
EDMONTON	1.8	6.8	13.2	17.5	22.8	13.5	9.3	7.9	4.5	2.6
FOOTHILLS	1.6	7.2	17.3	14.1	16.2	15.8	9.8	8,0	5.9	4.1
FORT MCMURRAY	2.0	8.7	19.2	16.7	24.2	17.9	7.6	2.7	0.6	0.4
HIGH LEVEL-FORT VERMILION	2.8	11.2	23.4	18.9	17.9	11.0	6.7	4.6	2.3	1.1
JASPER NATIONAL PARK	1.4	4.8	8.2	23.7	30.3	13.5	6.2	6.8	2.3	2.9
LEDUC-STRATHCONA	1.7	7.0	19.5	16.1	16.2	18.3	10.2	6.2	3.1	1.7
LETHBRIDGE	1.4	6.5	15.3	16.7	18.2	13.2	8.8	8.3	6.9	4.6
MINBURN-VERMILION	1.8	7.3	16.7	15 8	17.9	12.7	8.8	8.1	6.2	4.6
MOUNT VIEW	1.7	7.5	17.7	14.7	18.7	15.9	9.7	7.1	4.2	2.8
NORTH EASTERN ALBERTA	2.0	8.0	17.5	17.5	19.0	12.3	8.8	6.9	5.1	2.9
PEACE RIVER	1.5	6.5	14.5	14.2	13.7	9.7	7.6	5.6	3.3	2.8
RED DEER REGIONAL	1.8	7.5	16.3	16.3	20.6	13.8	8.6	6.9	5.0	3.1
SOUTHEASTERN ALBERTA	1.8	17.3	16.6	16.3	19.1	12.8	8.8	8.0	6.3	3.6
SOUTH PEACE	2.0	8.0	18.1	17.1	19.7	13.6	8.7	6.5	3.6	2.7
STONY PLAIN-LAC STE. ANNE	1.9	7.6	19.1	15.0	17.7	16.3	9.9	6.7	3.5	2.1
STURGEON	1.7	7.3	18.8	15.4	17.1	16.9	9.7	6.8	3.9	2.4
VEGREVILLE	1.4	5.9	15.6	13.2	14.5	12.7	9.5	9.9	9.9	7.5
WETOKA	1.7	6.8	16.3	15.4	13.9	13.6	9.6	9.0	6.7	4.9
ALBERTA	**1.8**	**7.0**	**15.5**	**16.6**	**20.7**	**14.5**	**9.2**	**7.4**	**4.6**	**2.8**

NUMBER OF MALE DEATHS, 1987
ALL CAUSES

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	1	2	2	15	9	5	14	25	58	133	264
ALBERTA WEST CENTRAL	1	0	1	4	7	3	11	26	23	28	104
ATHABASCA	5	2	0	9	10	5	17	13	26	52	139
BANFF NATIONAL PARK	0	0	0	1	1	0	2	1	2	5	12
BARONS-EUREKA-WARNER	6	2	2	5	5	2	6	8	35	63	134
BIG COUNTRY	0	2	0	0	0	2	4	5	14	27	54
CALGARY	35	10	6	39	74	79	147	273	351	642	1656
CHINOOK	3	1	5	7	4	5	6	15	43	85	174
DRUMHELLER	4	1	0	3	4	2	9	24	49	53	149
EDMONTON	57	16	4	53	84	79	133	290	409	713	1838
FOOTHILLS	2	0	2	7	3	4	5	11	28	59	121
FORT MCMURRAY	2	1	0	7	4	9	10	7	4	1	45
HIGH LEVEL-FORT VERMILION	3	1	0	5	2	1	3	4	2	7	28
JASPER NATIONAL PARK	0	0	0	0	0	0	2	0	1	2	5
LEDUC-STRATHCONA	5	0	1	9	12	13	21	31	40	73	205
LETHBRIDGE	5	0	4	4	4	10	10	25	51	116	229
MINBURN-VERMILION	5	1	2	5	7	2	5	22	26	68	143
MOUNT VIEW	5	0	3	12	6	11	11	14	58	77	197
NORTH EASTERN ALBERTA	8	0	1	6	9	7	10	17	42	62	162
PEACE RIVER	0	1	1	10	7	8	13	24	26	76	166
RED DEER REGIONAL	7	3	3	14	18	18	28	45	93	174	403
SOUTHEASTERN ALBERTA	1	2	3	10	7	8	9	38	78	117	273
SOUTH PEACE	3	3	1	11	4	11	4	17	36	79	169
STONY PLAIN-LAC STE. ANNE	8	1	2	10	9	9	16	35	38	59	187
STURGEON	2	3	4	9	6	11	16	37	55	119	262
VEGREVILLE	1	0	1	3	4	4	5	21	44	79	162
WETOKA	4	0	0	6	6	5	9	17	24	70	141
ALBERTA	**173**	**52**	**48**	**264**	**306**	**313**	**526**	**1045**	**1656**	**3039**	**7422**

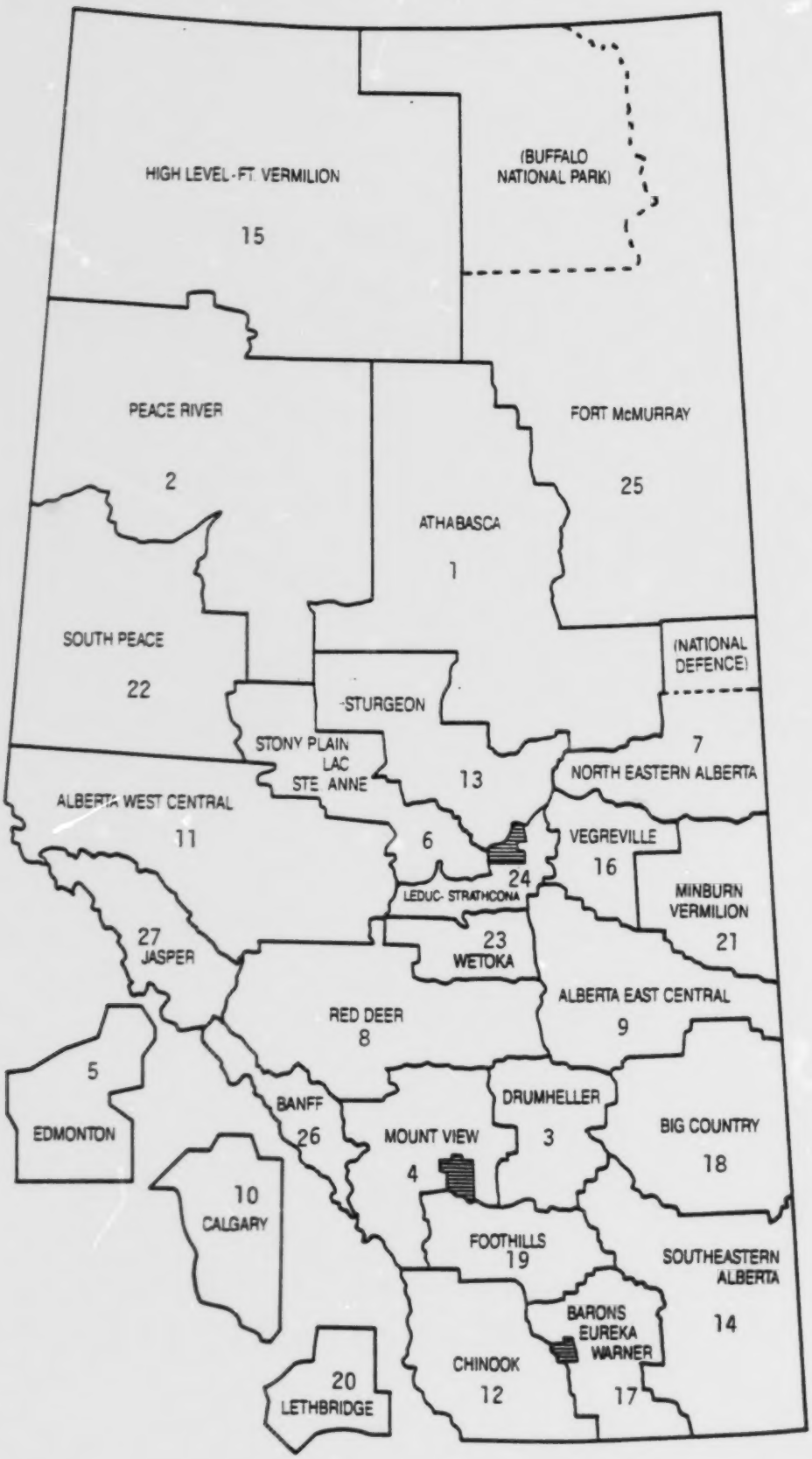
AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1987
ALL CAUSES

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	216	113	47	356	211	151	563	1013	2645	8733
ALBERTA WEST CENTRAL	274	0	27	117	167	105	560	1929	3309	7018
ATHABASCA	1377	161	0	317	375	254	1238	1050	3704	10379
BANFF NATIONAL PARK	0	0	0	96	88	0	643	410	2000	9091
BARONS-EUREKA-WARNER	1604	124	53	147	156	82	317	507	3408	9104
BIG COUNTRY	0	472	0	0	0	291	644	745	3118	9153
CALGARY	620	47	14	74	98	160	502	1221	2874	10113
CHINOOK	845	68	133	220	133	206	343	913	3102	8638
DRUMHELLER	1413	87	0	110	144	87	655	1779	4537	7648
EDMONTON	1099	83	11	108	131	208	511	1306	3200	9614
FOOTHILLS	769	0	70	302	112	154	310	830	2875	8767
FORT MCMURRAY	512	60	0	218	86	263	688	1331	3636	1449
HIGH LEVEL-FORT VERMILION	1449	122	0	361	152	124	611	1180	1170	9091
JASPER NATIONAL PARK	0	0	0	0	0	0	1563	0	2128	3390
LEDUC-STRATHCONA	575	0	10	107	142	136	394	950	2427	8343
LETHBRIDGE	1214	0	92	84	77	265	399	1056	2594	8848
MINBURN-VERMILION	1408	71	62	164	202	81	292	1399	2156	7701
MOUNT VIEW	931	0	55	266	104	226	370	640	4553	9059
NORTH EASTERN ALBERTA	1643	0	23	141	194	234	463	1004	3409	8720
PEACE RIVER	0	63	28	289	210	339	697	1758	3186	11160
RED DEER REGIONAL	648	67	31	144	146	219	545	1096	3110	9305
SOUTHEASTERN ALBERTA	151	79	48	163	98	166	271	1264	3287	8705
SOUTH PEACE	464	115	17	198	62	247	142	803	3051	8916
STONY PLAIN-LAC STE. ANNE	1280	39	31	198	151	164	479	1550	3161	8417
STURGEON	245	85	44	121	72	134	339	1117	2898	10102
VEGREVILLE	474	0	44	156	189	216	361	1459	3032	7254
WETOKA	1246	0	0	211	204	200	510	1023	1932	7667
ALBERTA	**805**	**62**	**26**	**133**	**124**	**181**	**479**	**1190**	**3044**	**9188**

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1987
ALL CAUSES

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	632	551	713	9	1.02	.
ALBERTA WEST CENTRAL	616	497	736	11	0.99	.
ATHABASCA	850	708	993	1	1.37	YES
BANFF NATIONAL PARK	616	189	744	26	0.75	.
BARONS-EUREKA-WARNER	588	488	688	17	0.95	.
BIG COUNTRY	585	424	746	18	0.94	.
CALGARY	619	589	649	10	1.00	.
CHINOOK	614	519	709	12	0.99	.
DRUMHELLER	701	586	816	3	1.13	.
EDMONTON	657	627	688	5	1.06	YES
FOOTHILLS	584	478	690	19	0.94	.
FORT MCMURRAY	472	269	675	25	0.76	.
HIGH LEVEL-FORT VERMILION	592	350	834	15	0.95	.
JASPER NATIONAL PARK	335	30	639	27	0.54	.
LEDUC-STRATHCONA	526	452	600	24	0.85	.
LETHBRIDGE	582	504	660	20	0.94	.
MINBURN-VERMILION	562	467	656	21	0.90	.
MOUNT VIEW	663	570	756	4	1.07	.
NORTH EASTERN ALBERTA	644	544	743	7	1.04	.
PEACE RIVER	797	674	919	2	1.28	YES
RED DEER REGIONAL	637	575	700	8	1.03	.
SOUTHEASTERN ALBERTA	596	524	667	14	0.96	.
SOUTH PEACE	558	474	643	22	0.90	.
STONY PLAIN-LAC STE. ANNE	654	559	748	6	1.05	.
STURGEON	597	524	669	13	0.96	.
VEGREVILLE	591	490	693	16	0.95	.
WETOKA	551	456	646	23	0.89	.
ALBERTA	**621**	**607**	**636**			

HEALTH UNITS OF ALBERTA



NUMBER OF MALE DEATHS, 1987
ALL CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	1	0	0	0	0	7	7	17	26	58
ALBERTA WEST CENTRAL	0	0	1	0	0	0	5	5	4	1	16
ATHABASCA	0	0	0	0	0	0	4	7	3	13	27
BANFF NATIONAL PARK	0	0	0	0	0	0	1	0	1	0	2
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	1	16	11	28
BIG COUNTRY	0	0	0	0	0	1	2	4	5	10	22
CALGARY	0	0	0	2	10	21	39	105	139	136	452
CHINOOK	0	0	1	0	1	1	2	2	9	10	26
DRUMHELLER	0	0	0	0	0	0	5	11	10	14	40
EDMONTON	0	2	1	1	3	14	25	90	142	142	420
FOOTHILLS	0	0	0	0	0	2	2	3	13	13	33
FORT MCMURRAY	0	0	0	1	0	2	5	4	2	0	14
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	1	0	1
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	1	0	1
LEDUC-STRATHCONA	1	0	0	0	0	5	6	9	13	14	48
LETHBRIDGE	0	0	1	1	0	0	1	8	17	23	51
MINBURN-VERMILION	0	0	0	0	0	2	2	6	8	8	26
MOUNT VIEW	0	0	0	0	1	2	0	5	25	13	46
NORTH EASTERN ALBERTA	0	0	0	0	0	1	1	4	14	8	28
PEACE RIVER	0	0	0	2	0	1	0	7	9	12	31
RED DEER REGIONAL	0	0	1	0	0	5	7	16	31	39	99
SOUTHEASTERN ALBERTA	0	1	0	0	1	0	0	15	15	27	59
SOUTH PEACE	0	0	0	0	1	4	1	4	12	11	33
STONY PLAIN-LAC STE. ANNE	0	0	1	1	0	2	1	14	12	12	43
STURGEON	0	0	1	0	0	3	5	16	15	26	66
VEGREVILLE	0	0	0	0	0	2	3	5	21	16	47
WETOKA	1	0	0	0	0	1	3	1	5	16	25
ALBERTA	**2**	**4**	**7**	**8**	**17**	**69**	**127**	**349**	**560**	**599**	**1742**

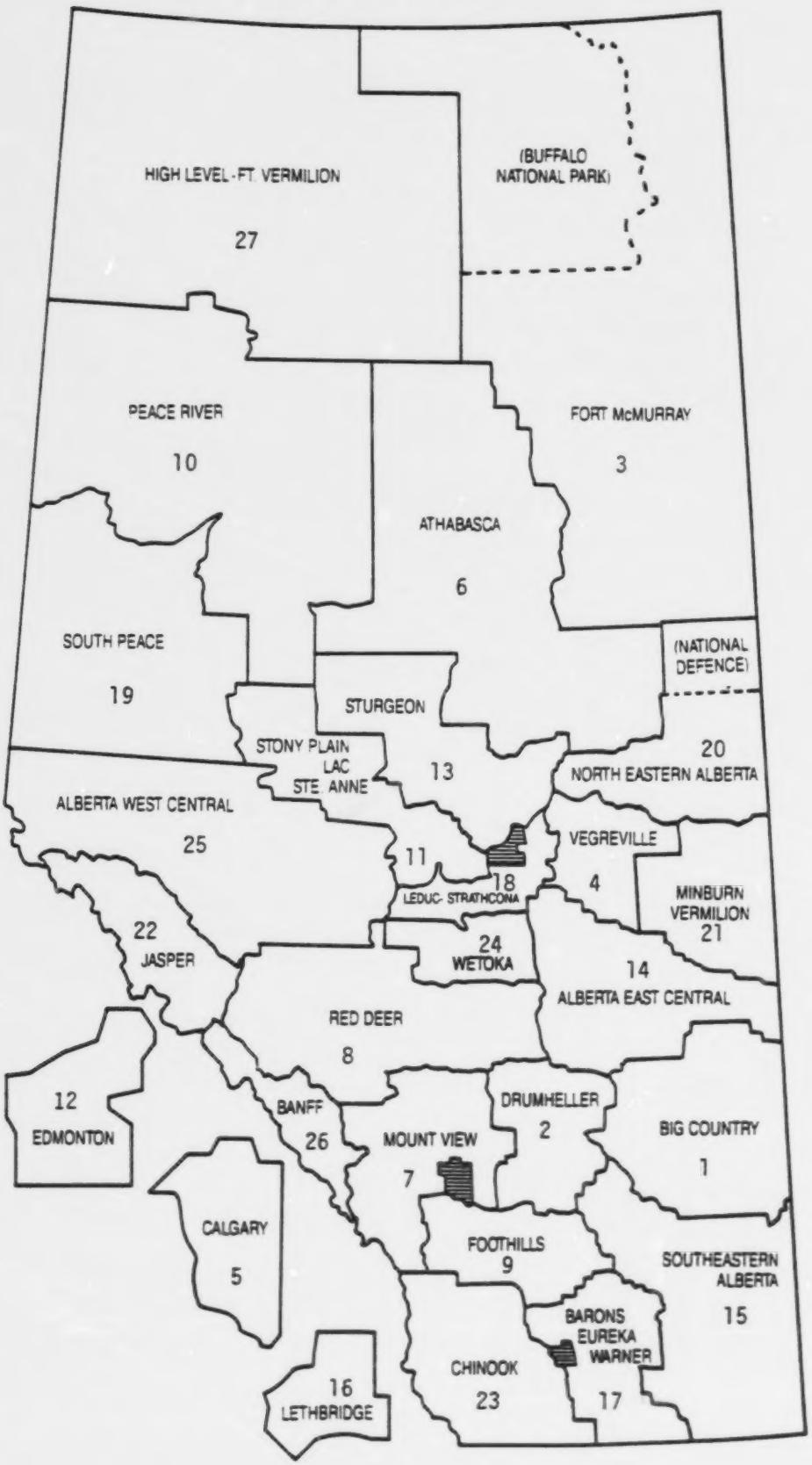
AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1987
ALL CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	57	0	0	0	0	282	284	775	1707
ALBERTA WEST CENTRAL	0	0	27	0	0	0	254	371	576	251
ATHABASCA	0	0	0	0	0	0	291	565	427	2595
BANFF NATIONAL PARK	0	0	0	0	0	0	322	0	1000	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	63	1558	1590
BIG COUNTRY	0	0	0	0	0	146	322	596	1114	3390
CALGARY	0	0	0	4	13	42	133	470	1138	2142
CHINOOK	0	0	27	0	33	41	114	122	649	1016
DRUMHELLER	0	0	0	0	0	0	364	815	926	2020
EDMONTON	0	10	3	2	5	37	96	405	1111	1915
FOOTHILLS	0	0	0	0	0	77	124	226	1335	1932
FORT MCMURRAY	0	0	0	31	0	58	344	760	1818	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	585	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	2128	0
LEDUC-STRATHCONA	115	0	0	0	0	52	112	276	789	1600
LETHBRIDGE	0	0	23	21	0	0	40	338	865	1754
MINBURN-VERMILION	0	0	0	0	0	81	117	381	663	906
MOUNT VIEW	0	0	0	0	17	41	0	229	1962	1529
NORTH EASTERN ALBERTA	0	0	0	0	0	33	46	236	1136	1125
PEACE RIVER	0	0	0	58	0	42	0	513	1103	1762
RED DEER REGIONAL	0	0	10	0	0	61	136	390	1037	2086
SOUTHEASTERN ALBERTA	0	40	0	0	14	0	0	499	632	2009
SOUTH PEACE	0	0	0	0	16	90	35	189	1017	1242
STONY PLAIN-LAC STE. ANNE	0	0	16	20	0	36	30	620	998	1712
STURGEON	0	0	11	0	0	37	106	483	790	2207
VEGREVILLE	0	0	0	0	0	108	217	347	1447	1469
WETOKA	312	0	0	0	0	40	170	60	403	1533
ALBERTA	**9**	**5**	**4**	**4**	**7**	**40**	**116**	**398**	**1029**	**1811**

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1987
ALL CANCER

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	133	98	169	14	0.91	.
ALBERTA WEST CENTRAL	88	44	132	25	0.60	.
ATHABASCA	160	99	220	6	1.10	.
BANFF NATIONAL PARK	75	-31	182	26	0.51	.
BARONS-EUREKA-WARNER	120	75	164	17	0.82	.
BIG COUNTRY	239	136	342	1	1.64	YES
CALGARY	167	152	183	5	1.14	YES
CHINOOK	94	56	132	23	0.64	.
DRUMHELLER	192	131	252	2	1.32	.
EDMONTON	150	136	164	12	1.03	.
FOOTHILLS	153	101	206	9	1.05	.
FORT MCMURRAY	184	53	315	3	1.26	.
HIGH LEVEL-FORT VERMILION	27	-26	79	27	0.18	.
JASPER NATIONAL PARK	97	-93	287	22	0.66	.
LEDUC-STRATHCONA	120	85	155	18	0.82	.
LETHBRIDGE	124	89	158	16	0.85	.
MINBURN-VERMILION	106	64	148	21	0.73	.
MOUNT VIEW	158	112	204	7	1.08	.
NORTH EASTERN ALBERTA	109	69	150	20	0.75	.
PEACE RIVER	152	98	207	10	1.04	.
RED DEER REGIONAL	157	126	188	8	1.08	.
SOUTHEASTERN ALBERTA	127	94	159	15	0.87	.
SOUTH PEACE	114	75	153	19	0.78	.
STONY PLAIN-LAC STE. ANNE	152	106	198	11	1.04	.
STURGEON	149	113	186	13	1.02	.
VEGREVILLE	168	116	219	4	1.15	.
WETOKA	92	55	130	24	0.63	.
ALBERTA	**146**	**139**	**153**			

HEALTH UNITS OF ALBERTA



NUMBER OF MALE DEATHS, 1987
COLON CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	1	0	2	5	8
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	2	0	2
ATHABASCA	0	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	2	3	5
BIG COUNTRY	0	0	0	0	0	0	0	0	1	0	1
CALGARY	0	0	0	0	0	1	2	11	7	17	38
CHINOOK	0	0	0	0	0	0	0	0	0	0	0
DRUMHELLER	0	0	0	0	0	0	0	2	1	0	3
EDMONTON	0	0	0	0	1	1	1	9	20	19	51
FOOTHILLS	0	0	0	0	0	0	1	0	1	0	2
FORT MCMURRAY	0	0	0	0	0	0	2	0	0	0	2
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	1	0	3	1	0	5
LETHBRIDGE	0	0	0	0	0	0	1	0	3	3	7
MINBURN-VERMILION	0	0	0	0	0	0	0	1	0	3	4
MOUNT VIEW	0	0	0	0	0	0	0	1	0	1	2
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	1	1
PEACE RIVER	0	0	0	0	0	0	0	0	1	4	5
RED DEER REGIONAL	0	0	0	0	0	1	1	1	4	3	10
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	0	2	2	3	7
SOUTH PEACE	0	0	0	0	0	0	0	1	3	1	5
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	1	1	0	2
STURGEON	0	0	0	0	0	1	0	2	1	3	7
VEGREVILLE	0	0	0	0	0	0	0	2	3	2	7
WETOKA	0	0	0	0	0	0	0	0	1	1	2
ALBERTA	**0**	**0**	**0**	**0**	**1**	**5**	**9**	**36**	**56**	**69**	**176**

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1987
COLON CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	40	0	91	328
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	288	0
ATHABASCA	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	195	434
BIG COUNTRY	0	0	0	0	0	0	0	0	223	0
CALGARY	0	0	0	0	0	2	7	49	57	268
CHINOOK	0	0	0	0	0	0	0	0	0	0
DRUMHELLER	0	0	0	0	0	0	0	148	93	0
EDMONTON	0	0	0	0	2	3	4	41	156	256
FOOTHILLS	0	0	0	0	0	0	62	0	103	0
FORT MCMURRAY	0	0	0	0	0	0	138	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	10	0	92	61	0
LETHBRIDGE	0	0	0	0	0	0	40	0	153	229
MINBURN-VERMILION	0	0	0	0	0	0	0	64	0	340
MOUNT VIEW	0	0	0	0	0	0	0	46	0	118
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	141
PEACE RIVER	0	0	0	0	0	0	0	0	123	587
RED DEER REGIONAL	0	0	0	0	0	12	19	24	134	160
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	0	67	84	223
SOUTH PEACE	0	0	0	0	0	0	0	47	254	113
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	44	83	0
STURGEON	0	0	0	0	0	12	0	60	53	255
VEGREVILLE	0	0	0	0	0	0	0	139	207	184
WETOKA	0	0	0	0	0	0	0	0	81	110
ALBERTA	**0**	**0**	**0**	**0**	**0**	**3**	**8**	**41**	**103**	**209**

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1987
COLON CANCER

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	17	5	29	6	1.13	.
ALBERTA WEST CENTRAL	13	-5	31	14	0.87	
ATHABASCA	0	0	0	23	0.00	.
BANFF NATIONAL PARK	0	0	0	24	0.00	.
BARONS-EUREKA-WARNER	21	3	39	3	1.40	.
BIG COUNTRY	10	-10	30	17	0.67	.
CALGARY	15	10	19	10	1.00	.
CHINOOK	0	0	0	25	0.00	.
DRUMHELLER	15	-2	32	11	1.00	.
EDMONTON	18	13	23	4	1.20	.
FOOTHILLS	10	-4	25	18	0.67	.
FORT MCMURRAY	13	-5	30	15	0.87	.
HIGH LEVEL-FORT VERMILION	0	0	0	26	0.00	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRATHCONA	11	1	21	16	0.73	.
LETHBRIDGE	17	4	30	7	1.13	.
MINBURN-VERMILION	14	0	28	13	0.93	.
MOUNT VIEW	7	-3	16	19	0.47	.
NORTH EASTERN ALBERTA	4	-4	12	22	0.27	.
PEACE RIVER	22	3	41	2	1.47	.
RED DEER REGIONAL	16	6	26	8	1.07	.
SOUTHEASTERN ALBERTA	15	4	26	12	1.00	.
SOUTH PEACE	18	2	34	5	1.20	.
STONY PLAIN-LAC STE. ANNE	7	-3	17	20	0.47	.
STURGEON	16	4	27	9	1.07	.
VEGREVILLE	25	6	44	1	1.67	.
WETOKA	7	-3	16	21	0.47	.
ALBERTA	**15**	**13**	**17**			

HEALTH UNITS OF ALBERTA

NUMBER OF MALE DEATHS, 1987
LUNG CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	3	2	4	6	15
ALBERTA WEST CENTRAL	0	0	0	0	0	0	2	0	0	0	2
ATHABASCA	0	0	0	0	0	0	1	1	0	5	7
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	1	0	1
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	6	3	9
BIG COUNTRY	0	0	0	0	0	1	1	3	0	3	8
CALGARY	0	0	0	0	1	5	13	33	56	33	141
CHINOOK	0	0	0	0	0	0	1	1	1	3	6
DRUMHELLER	0	0	0	0	0	0	1	2	3	5	11
EDMONTON	0	0	0	0	0	3	10	31	51	34	129
FOOTHILLS	0	0	0	0	0	0	0	0	4	2	6
FORT MCMURRAY	0	0	0	0	0	0	0	0	2	0	6
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	1	0	1
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	1	0	2	5	3	11
LETHBRIDGE	0	0	0	0	0	0	0	3	2	5	10
MINBURN-VERMILION	0	0	0	0	0	1	1	3	1	1	7
MOUNT VIEW	0	0	0	0	0	0	0	2	9	4	15
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	3	4	1	8
PEACE RIVER	0	0	0	0	0	0	0	3	3	4	10
RED DEER REGIONAL	0	0	0	0	0	0	1	5	11	10	27
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	0	4	3	6	13
SOUTH PEACE	0	0	0	0	0	0	0	1	4	3	8
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	4	4	4	12
STURGEON	0	0	0	0	0	0	1	4	6	7	18
VEGREVILLE	0	0	0	0	0	0	1	0	1	5	7
WETOKA	0	0	0	0	0	0	2	1	0	4	7
ALBERTA	**0**	**0**	**0**	**0**	**1**	**11**	**40**	**110**	**182**	**151**	**495**

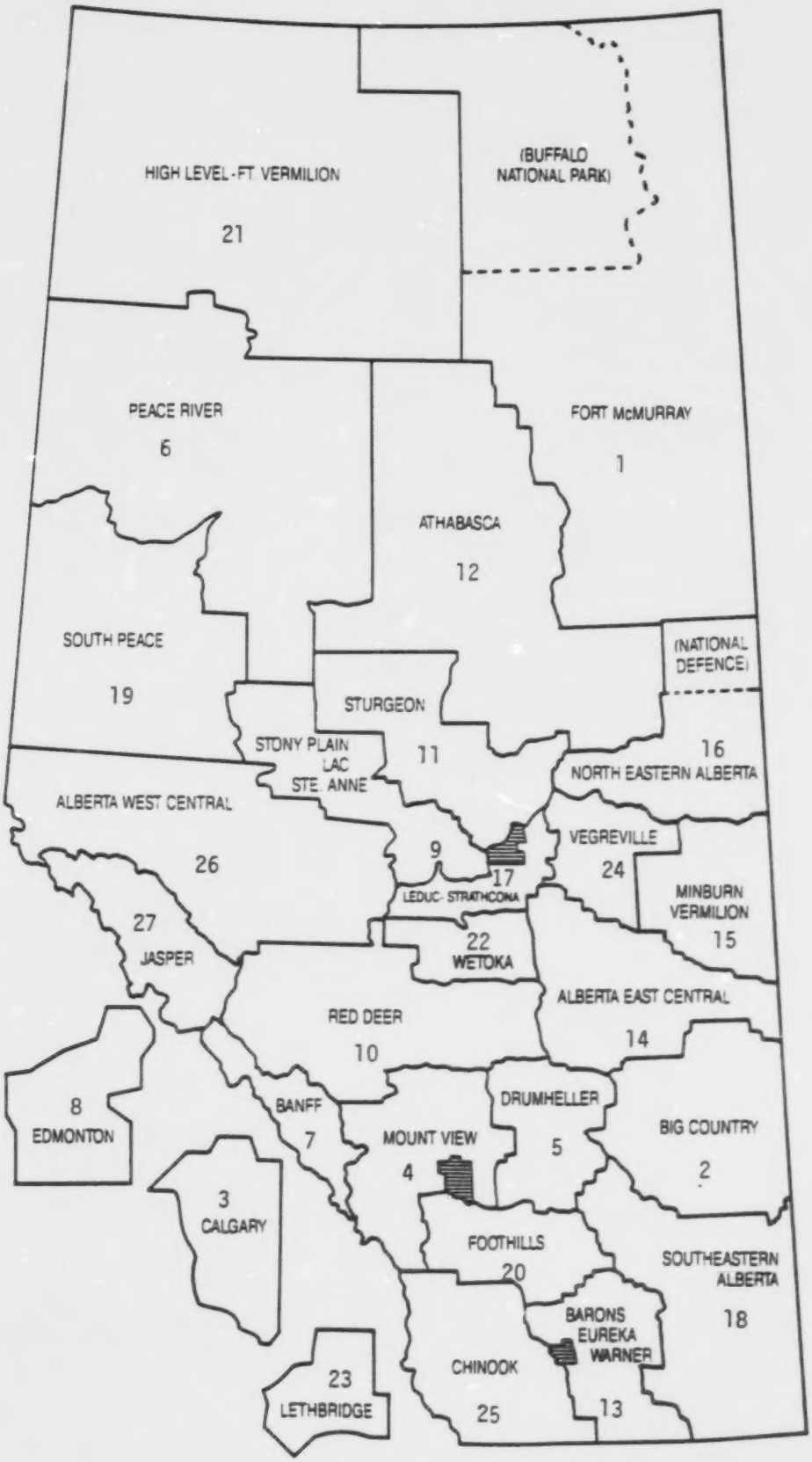
AGE-SPECIFIC DEATH RATE (PER 100,000 MALES), 1987
LUNG CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	121	81	182	394
ALBERTA WEST CENTRAL	0	0	0	0	0	0	102	0	0	0
ATHABASCA	0	0	0	0	0	0	73	81	0	998
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	1000	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	584	434
BIG COUNTRY	0	0	0	0	0	146	161	447	0	1017
CALGARY	0	0	0	0	1	10	44	148	459	520
CHINOOK	0	0	0	0	0	0	57	61	72	305
DRUMHELLER	0	0	0	0	0	0	73	148	278	722
EDMONTON	0	0	0	0	0	8	38	140	399	458
FOOTHILLS	0	0	0	0	0	0	0	0	411	297
FORT MCMURRAY	0	0	0	0	0	0	138	380	1818	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	585	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	10	0	61	303	343
LETHBRIDGE	0	0	0	0	0	0	0	127	102	381
MINBURN-VERMILION	0	0	0	0	0	41	58	191	83	113
MOUNT VIEW	0	0	0	0	0	0	0	91	706	471
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	177	325	141
PEACE RIVER	0	0	0	0	0	0	0	220	368	587
RED DEER REGIONAL	0	0	0	0	0	0	19	122	368	535
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	0	133	126	446
SOUTH PEACE	0	0	0	0	0	0	0	47	339	339
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	177	333	571
STURGEON	0	0	0	0	0	0	21	121	316	594
VEGREVILLE	0	0	0	0	0	0	72	0	69	459
WETOKA	0	0	0	0	0	0	113	60	0	438
ALBERTA	**0**	**0**	**0**	**0**	**0**	**6**	**36**	**125**	**335**	**457**

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1987
LUNG CANCER

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	36	17	55	14	0.88	.
ALBERTA WEST CENTRAL	9	-4	22	26	0.22	.
ATHABASCA	40	10	70	12	0.98	.
BANFF NATIONAL PARK	46	-44	135	7	1.12	.
BARONS-EUREKA-WARNER	39	13	64	13	0.95	.
BIG COUNTRY	97	27	167	2	2.37	.
CALGARY	52	43	61	3	1.27	YES
CHINOOK	21	4	39	25	0.51	.
DRUMHELLER	50	20	80	5	1.22	.
EDMONTON	46	38	54	8	1.12	.
FOOTHILLS	27	5	49	20	0.66	.
FORT MCMURRAY	123	1	246	1	3.00	.
HIGH LEVEL-FORT VERMILION	27	-26	79	21	0.66	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRATHCONA	29	12	47	17	0.71	.
LETHBRIDGE	25	9	40	23	0.61	.
MINBURN-VERMILION	32	8	56	15	0.78	.
MOUNT VIEW	52	26	78	4	1.27	.
NORTH EASTERN ALBERTA	32	10	54	16	0.78	.
PEACE RIVER	49	18	80	6	1.20	.
RED DEER REGIONAL	42	26	58	10	1.02	.
SOUTHEASTERN ALBERTA	28	13	43	18	0.68	.
SOUTH PEACE	28	9	48	19	0.68	.
STONY PLAIN-LAC STE. ANNE	44	19	69	9	1.07	.
STURGEON	42	22	61	11	1.02	.
VEGREVILLE	22	4	41	24	0.54	.
WETOKA	27	6	48	22	0.66	.
ALBERTA	**41**	**38**	**45**			

HEALTH UNITS OF ALBERTA



NUMBER OF MALE DEATHS, 1987
DIABETES MELLITUS

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	1	0	2	1	1	5
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	0	0	0
ATHABASCA	0	0	0	0	0	0	1	0	2	2	5
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	2	0	1	3
BIG COUNTRY	0	0	0	0	0	0	0	0	1	0	1
CALGARY	0	0	0	0	1	3	0	2	5	14	25
CHINOOK	0	0	0	0	0	0	0	2	0	3	5
DRUMHELLER	0	0	0	0	0	0	0	0	1	0	1
EDMONTON	0	0	0	0	1	1	2	5	6	11	26
FOOTHILLS	0	0	0	0	0	0	0	0	0	0	0
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	1	0	0	0	1
LEDUC-STRATHCONA	0	0	0	0	0	0	0	0	1	0	1
LETHBRIDGE	0	0	0	0	0	0	0	0	2	3	5
MINBURN-VERMILION	0	0	0	0	0	0	0	1	0	0	1
MOUNT VIEW	0	0	0	0	0	0	0	0	1	0	1
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	3	3
PEACE RIVER	0	0	0	0	0	0	0	0	0	1	1
RED DEER REGIONAL	0	0	0	0	0	0	1	0	2	2	5
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	0	0	1	2	3
SOUTH PEACE	0	0	0	0	0	0	0	1	0	1	2
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	1	0	0	0	1
STURGEON	0	0	0	0	0	0	0	0	1	1	2
VEGREVILLE	0	0	0	0	0	0	0	0	2	1	3
WETOKA	0	0	0	0	0	0	0	0	0	2	2
ALBERTA	**0**	**0**	**0**	**0**	**2**	**5**	**6**	**15**	**26**	**48**	**102**

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1987
DIABETES MELLITUS

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	30	0	81	46	66
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	0	0
ATHABASCA	0	0	0	0	0	0	73	0	285	399
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	127	0	145
BIG COUNTRY	0	0	0	0	0	0	0	0	223	0
CALGARY	0	0	0	0	1	6	0	9	41	221
CHINOOK	0	0	0	0	0	0	0	122	0	305
DRUMHELLER	0	0	0	0	0	0	0	0	93	0
EDMONTON	0	0	0	0	2	3	8	23	47	148
FOOTHILLS	0	0	0	0	0	0	0	0	0	0
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	781	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	0	61	0
LETHBRIDGE	0	0	0	0	0	0	0	0	102	229
MINBURN-VERMILION	0	0	0	0	0	0	0	64	0	0
MOUNT VIEW	0	0	0	0	0	0	0	0	78	0
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	422
PEACE RIVER	0	0	0	0	0	0	0	0	0	147
RED DEER REGIONAL	0	0	0	0	0	0	19	0	67	107
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	0	0	42	149
SOUTH PEACE	0	0	0	0	0	0	0	47	0	113
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	30	0	0	0
STURGEON	0	0	0	0	0	0	0	0	53	85
VEGREVILLE	0	0	0	0	0	0	0	0	138	92
WETOKA	0	0	0	0	0	0	0	0	0	219
ALBERTA	**0**	**0**	**0**	**0**	**1**	**3**	**5**	**17**	**48**	**145**

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1987
DIABETES MELLITUS

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	14	1	27	4	1.56	.
ALBERTA WEST CENTRAL	0	0	0	23	0.00	.
ATHABASCA	31	4	58	2	3.44	.
BANFF NATIONAL PARK	0	0	0	24	0.00	.
BARONS-EUREKA-WARNER	13	-2	28	5	1.44	.
BIG COUNTRY	10	-10	30	8	1.11	.
CALGARY	10	6	14	9	1.11	.
CHINOOK	17	2	33	3	1.89	.
DRUMHELLER	4	-4	12	18	0.44	.
EDMONTON	9	6	13	10	1.00	.
FOOTHILLS	0	0	0	25	0.00	.
FORT MCMURRAY	0	0	0	26	0.00	.
HIGH LEVEL-FORT VERMILION	0	0	0	27	0.00	.
JASPER NATIONAL PARK	72	-69	213	1	8.00	.
LEDUC-STRATHCONA	3	-3	8	21	0.33	.
LETHBRIDGE	11	1	21	7	1.22	.
MINBURN-VERMILION	5	-4	14	16	0.56	.
MOUNT VIEW	4	-3	11	19	0.44	.
NORTH EASTERN ALBERTA	12	-2	25	6	1.33	.
PEACE RIVER	4	-4	12	20	0.44	.
RED DEER REGIONAL	8	1	15	12	0.89	.
SOUTHEASTERN ALBERTA	6	-1	13	14	0.67	.
SOUTH PEACE	7	-3	16	13	0.78	.
STONY PLAIN-LAC STE. ANNE	3	-3	8	22	0.33	.
STURGEON	5	-2	11	17	0.56	.
VEGREVILLE	9	-1	19	11	1.00	.
WETOKA	6	-2	14	15	0.67	.
ALBERTA	**9**	**7**	**10**			

HEALTH UNITS OF ALBERTA

NUMBER OF MALE DEATHS, 1987
ISCHEMIC HEART DISEASE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	1	1	4	4	20	34	64
ALBERTA WEST CENTRAL	0	0	0	0	0	1	3	11	10	12	37
ATHABASCA	0	0	0	0	1	0	4	2	6	15	28
BANFF NATIONAL PARK	0	0	0	0	0	0	1	0	1	1	3
BARONS-EUREKA-WARNER	0	0	0	0	0	0	3	3	9	19	34
BIG COUNTRY	0	0	0	0	0	0	1	1	5	6	13
CALGARY	0	0	0	0	0	8	41	71	82	145	347
CHINOOK	0	0	0	0	0	1	0	7	15	28	51
DRUMHELLER	0	0	0	0	0	1	2	7	17	8	35
EDMONTON	0	0	0	0	1	6	28	66	100	194	395
FOOTHILLS	0	0	0	0	0	0	1	3	9	18	31
FORT MCMURRAY	0	0	0	0	0	2	2	0	1	0	5
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	1	0	1	0	2
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	1	0	13	11	23	48
LETHBRIDGE	0	0	0	0	0	1	4	10	15	32	62
MINBURN-VERMILION	0	0	0	0	0	0	0	9	9	23	41
MOUNT VIEW	0	0	0	0	0	1	5	8	18	20	52
NORTH EASTERN ALBERTA	0	0	0	0	0	0	5	8	15	15	43
PEACE RIVER	0	0	0	0	0	1	3	8	8	26	46
RED DEER REGIONAL	0	0	0	0	1	3	6	11	23	44	88
SOUTHEASTERN ALBERTA	0	0	0	0	1	3	6	14	38	39	101
SOUTH PEACE	0	0	0	0	0	1	0	8	6	22	37
STONY PLAIN-LAC STE. ANNE	0	0	0	0	1	0	4	8	11	18	42
STURGEON	0	0	0	0	0	2	1	11	16	39	69
VEGREVILLE	0	0	0	0	0	0	2	8	12	26	48
WETOKA	0	0	0	0	0	1	3	4	7	20	35
ALBERTA	**0**	**0**	**0**	**0**	**6**	**34**	**130**	**295**	**465**	**827**	**1757**

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1987
ISCHEMIC HEART DISEASE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	23	30	161	162	912	2232
ALBERTA WEST CENTRAL	0	0	0	0	0	35	153	816	1439	3008
ATHABASCA	0	0	0	0	37	0	291	162	855	2994
BANFF NATIONAL PARK	0	0	0	0	0	0	322	0	1000	1818
BARONS-EUREKA-WARNER	0	0	0	0	0	0	158	190	876	2746
BIG COUNTRY	0	0	0	0	0	0	161	149	1114	2034
CALGARY	0	0	0	0	0	16	140	318	672	2284
CHINOOK	0	0	0	0	0	41	0	426	1082	2846
DRUMHELLER	0	0	0	0	0	43	145	519	1574	1154
EDMONTON	0	0	0	0	2	16	108	297	782	2616
FOOTHILLS	0	0	0	0	0	0	62	226	924	2675
FORT MCMURRAY	0	0	0	0	0	58	138	0	909	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	204	0	585	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	10	0	398	667	2629
LETHBRIDGE	0	0	0	0	0	27	160	422	763	2441
MINBURN-VERMILION	0	0	0	0	0	0	0	572	746	2605
MOUNT VIEW	0	0	0	0	0	21	168	366	1413	2353
NORTH EASTERN ALBERTA	0	0	0	0	0	0	232	473	1218	2110
PEACE RIVER	0	0	0	0	0	42	161	586	980	3818
RED DEER REGIONAL	0	0	0	0	8	37	117	268	769	2353
SOUTHEASTERN ALBERTA	0	0	0	0	14	62	181	466	1601	2902
SOUTH PEACE	0	0	0	0	0	22	0	378	508	2483
STONY PLAIN-LAC STE. ANNE	0	0	0	0	17	0	120	354	915	2568
STURGEON	0	0	0	0	0	24	21	332	843	3311
VEGREVILLE	0	0	0	0	0	0	144	556	827	2388
WETOKA	0	0	0	0	0	40	170	241	564	2191
ALBERTA	**0**	**0**	**0**	**0**	**2**	**20**	**118**	**336**	**855**	**2500**

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1987
ISCHEMIC HEART DISEASE

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	139	104	175	16	0.95	.
ALBERTA WEST CENTRAL	228	154	302	1	1.55	YES
ATHABASCA	168	106	231	6	1.14	.
BANFF NATIONAL PARK	125	-20	271	22	0.85	.
BARONS-EUREKA-WARNER	144	96	193	14	0.98	.
BIG COUNTRY	133	60	206	20	0.90	.
CALGARY	132	118	146	21	0.90	.
CHINOOK	165	119	212	7	1.12	.
DRUMHELLER	161	107	216	8	1.10	.
EDMONTON	142	128	157	15	0.97	.
FOOTHILLS	139	89	188	17	0.95	.
FORT MCMURRAY	63	-21	146	25	0.43	.
HIGH LEVEL-FORT VERMILION	45	-18	109	26	0.31	.
JASPER NATIONAL PARK	0	0	. 0	27	0.00	.
LEDUC-STRATHCONA	134	96	172	19	0.91	.
LETHBRIDGE	152	113	191	12	1.03	.
MINBURN-VERMILION	148	102	194	13	1.01	.
MOUNT VIEW	175	127	222	4	1.19	.
NORTH EASTERN ALBERTA	170	119	221	5	1.16	.
PEACE RIVER	214	152	277	3	1.46	YES
RED DEER REGIONAL	138	109	166	18	0.94	.
SOUTHEASTERN ALBERTA	216	174	259	2	1.47	YES
SOUTH PEACE	123	83	163	24	0.84	.
STONY PLAIN-LAC STE. ANNE	153	107	200	11	1.04	.
STURGEON	160	122	198	9	1.09	.
VEGREVILLE	158	111	205	10	1.07	.
WETOKA	125	83	168	23	0.85	.
ALBERTA	**147**	**140**	**154**			

HEALTH UNITS OF ALBERTA

NUMBER OF MALE DEATHS, 1987
CEREBROVASCULAR DISEASE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	1	1	4	10	16
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	1	4	3	8
ATHABASCA	0	0	0	0	0	0	0	0	2	3	5
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	2	10	12
BIG COUNTRY	0	0	0	0	0	0	0	0	0	1	1
CALGARY	0	0	0	0	0	0	4	11	19	59	93
CHINOOK	0	0	0	0	0	0	0	0	4	12	16
DRUMHELLER	0	0	0	0	0	0	0	0	4	6	10
EDMONTON	0	0	0	0	1	1	1	10	23	65	101
FOOTHILLS	0	0	0	0	0	0	0	0	1	7	8
FORT MCMURRAY	0	0	0	0	0	1	0	0	0	0	1
HIGH LEVEL-FORT VERMILION	0	0	0	1	0	0	0	0	0	0	1
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	1	1	3	14	19
LETHBRIDGE	0	0	0	0	0	1	0	0	1	4	6
MINBURN-VERMILION	0	0	0	0	0	0	0	1	2	6	9
MOUNT VIEW	0	0	0	0	0	0	0	0	3	9	12
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	4	7	11
PEACE RIVER	0	0	0	0	0	0	0	0	2	8	10
RED DEER REGIONAL	0	0	0	0	1	1	1	2	6	23	34
SOUTHEASTERN ALBERTA	0	0	0	0	0	1	0	2	6	13	22
SOUTH PEACE	0	0	0	0	0	1	0	0	3	12	16
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	1	0	4	5	10
STURGEON	0	0	0	0	0	0	0	1	3	13	17
VEGREVILLE	0	0	0	0	0	0	0	1	1	8	10
WETOKA	0	0	0	0	0	0	0	1	2	9	12
ALBERTA	**0**	**0**	**0**	**1**	**2**	**6**	**9**	**32**	**103**	**307**	**460**

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1987
CEREBROVASCULAR DISEASE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	40	41	182	657
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	74	576	752
ATHABASCA	0	0	0	0	0	0	0	0	285	599
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	195	1445
BIG COUNTRY	0	0	0	0	0	0	0	0	0	339
CALGARY	0	0	0	0	0	0	14	49	156	929
CHINOOK	0	0	0	0	0	0	0	0	289	1220
DRUMHELLER	0	0	0	0	0	0	0	0	370	866
EDMONTON	0	0	0	0	2	3	4	45	180	876
FOOTHILLS	0	0	0	0	0	0	0	0	103	1040
FORT MCMURRAY	0	0	0	0	0	29	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	72	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	19	31	182	1600
LETHBRIDGE	0	0	0	0	0	27	0	0	51	305
MINBURN-VERMILION	0	0	0	0	0	0	0	64	166	680
MOUNT VIEW	0	0	0	0	0	0	0	0	235	1059
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	325	985
PEACE RIVER	0	0	0	0	0	0	0	0	245	1175
RED DEER REGIONAL	0	0	0	0	8	12	19	49	201	1230
SOUTHEASTERN ALBERTA	0	0	0	0	0	21	0	67	253	967
SOUTH PEACE	0	0	0	0	0	22	0	0	254	1354
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	30	0	333	713
STURGEON	0	0	0	0	0	0	0	30	158	1104
VEGREVILLE	0	0	0	0	0	0	0	69	69	735
WETOKA	0	0	0	0	0	0	0	60	161	986
ALBERTA	**0**	**0**	**0**	**1**	**1**	**3**	**8**	**36**	**189**	**928**

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1987
CEREBROVASCULAR DISEASE

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	33	16	50	17	0.85	.
ALBERTA WEST CENTRAL	52	16	89	2	1.33	.
ATHABASCA	30	4	56	20	0.77	.
BANFF NATIONAL PARK	0	0	0	26	0.00	.
BARONS-EUREKA-WARNER	49	21	77	5	1.26	.
BIG COUNTRY	9	-9	28	24	0.23	.
CALGARY	38	30	45	14	0.97	.
CHINOOK	47	24	70	6	1.21	.
DRUMHELLER	41	16	66	10	1.05	.
EDMONTON	37	30	44	16	0.95	.
FOOTHILLS	33	10	57	18	0.85	.
FORT MCMURRAY	4	-4	12	25	0.10	.
HIGH LEVEL-FORT VERMILION	12	-12	35	23	0.31	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRATHCONA	57	31	82	1	1.46	.
LETHBRIDGE	15	3	27	22	0.38	.
MINBURN-VERMILION	31	11	52	19	0.79	.
MOUNT VIEW	40	17	63	11	1.03	.
NORTH EASTERN ALBERTA	42	17	67	9	1.08	.
PEACE RIVER	44	16	71	8	1.13	.
RED DEER REGIONAL	52	35	70	3	1.33	.
SOUTHEASTERN ALBERTA	46	27	66	7	1.18	.
SOUTH PEACE	52	27	78	4	1.33	.
STONY PLAIN-LAC STE. ANNE	38	14	61	15	0.97	.
STURGEON	40	21	59	12	1.03	.
VEGREVILLE	29	10	47	21	0.74	.
WETOKA	39	17	61	13	1.00	.
ALBERTA	**39**	**35**	**42**			

HEALTH UNITS OF ALBERTA

NUMBER OF MALE DEATHS, 1987
PNEUMONIA

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	1	9	10
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	1	6	7
ATHABASCA	0	0	0	1	0	0	0	0	2	2	5
BANFF NATIONAL PARK	0	0	0	0	0	0	0	1	0	1	2
BARONS-EUREKA-WARNER	0	1	0	0	0	0	0	0	2	4	7
BIG COUNTRY	0	0	0	0	0	0	0	0	1	3	4
CALGARY	0	0	1	1	0	1	2	2	4	48	59
CHINOOK	0	0	0	0	0	0	0	0	0	2	2
DRUMHELLER	0	0	0	0	0	0	0	0	0	6	6
EDMONTON	0	1	0	0	1	2	0	6	7	35	52
FOOTHILLS	0	0	0	0	0	0	0	0	1	4	5
FORT MCMURRAY	0	0	0	0	0	0	0	1	0	0	1
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	2	2
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	0	0	2	2
LETHBRIDGE	0	0	1	0	0	0	0	1	1	11	14
MINBURN-VERMILION	0	0	0	0	0	0	0	0	0	2	2
MOUNT VIEW	0	0	0	0	0	0	0	0	1	2	3
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	2	2
PEACE RIVER	0	0	0	0	0	0	0	0	0	6	6
RED DEER REGIONAL	0	0	0	0	0	0	0	1	2	11	14
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	0	0	1	6	7
SOUTH PEACE	0	0	0	0	0	0	0	0	1	3	4
STONY PLAIN-LAC STE. ANNE	0	1	0	0	0	0	1	1	0	4	7
STURGEON	0	0	0	0	0	0	0	0	2	6	8
VEGREVILLE	0	0	0	0	0	0	0	0	1	2	3
WETOKA	0	0	0	0	0	0	0	0	2	5	7
ALBERTA	**0**	**3**	**2**	**2**	**1**	**3**	**3**	**13**	**30**	**184**	**241**

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1987
PNEUMONIA

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	46	591
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	144	1504
ATHABASCA	0	0	0	35	0	0	0	0	285	399
BANFF NATIONAL PARK	0	0	0	0	0	0	0	410	0	1818
BARONS-EUREKA-WARNER	0	62	0	0	0	0	0	0	195	578
BIG COUNTRY	0	0	0	0	0	0	0	0	223	1017
CALGARY	0	0	2	2	0	2	7	9	33	756
CHINOOK	0	0	0	0	0	0	0	0	0	203
DRUMHELLER	0	0	0	0	0	0	0	0	0	866
EDMONTON	0	5	0	0	2	5	0	27	55	472
FOOTHILLS	0	0	0	0	0	0	0	0	103	594
FORT MCMURRAY	0	0	0	0	0	0	0	190	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	2597
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	0	0	229
LETHBRIDGE	0	0	23	0	0	0	0	42	51	839
MINBURN-VERMILION	0	0	0	0	0	0	0	0	0	227
MOUNT VIEW	0	0	0	0	0	0	0	0	78	235
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	281
PEACE RIVER	0	0	0	0	0	0	0	0	0	881
RED DEER REGIONAL	0	0	0	0	0	0	0	24	67	588
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	0	0	42	446
SOUTH PEACE	0	0	0	0	0	0	0	0	85	339
STONY PLAIN-LAC STE. ANNE	0	39	0	0	0	0	30	44	0	571
STURGEON	0	0	0	0	0	0	0	0	105	509
VEGREVILLE	0	0	0	0	0	0	0	0	69	184
WETOKA	0	0	0	0	0	0	0	0	161	548
ALBERTA	**0**	**4**	**1**	**1**	**0**	**2**	**3**	**15**	**55**	**556**

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1987
PNEUMONIA

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	18	7	30	17	0.90	
ALBERTA WEST CENTRAL	48	12	84	3	2.40	.
ATHABASCA	30	4	56	6	1.50	.
BANFF NATIONAL PARK	80	-35	195	1	4.00	.
BARONS-EUREKA-WARNER	29	8	51	7	1.45	.
BIG COUNTRY	38	1	76	4	1.90	.
CALGARY	25	18	31	8	1.25	.
CHINOOK	6	-2	13	24	0.30	.
DRUMHELLER	24	5	43	10	1.20	.
EDMONTON	19	14	24	15	0.95	.
FOOTHILLS	21	3	40	13	1.05	.
FORT MCMURRAY	14	-13	41	18	0.70	.
HIGH LEVEL-FORT VERMILION	72	-28	172	2	3.60	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRATHCONA	6	-2	15	25	0.30	.
LETHBRIDGE	32	15	49	5	1.60	.
MINBURN-VERMILION	6	-2	15	26	0.30	.
MOUNT VIEW	10	-1	22	21	0.50	.
NORTH EASTERN ALBERTA	8	-3	19	22	0.40	.
PEACE RIVER	24	5	44	11	1.20	.
RED DEER REGIONAL	21	10	32	14	1.05	.
SOUTHEASTERN ALBERTA	14	4	25	19	0.70	.
SOUTH PEACE	13	0	26	20	0.65	.
STONY PLAIN-LAC STE. ANNE	25	6	43	9	1.25	.
STURGEON	19	6	32	16	0.95	.
VEGREVILLE	8	-1	18	23	0.40	.
WETOKA	23	6	39	12	1.15	
ALBERTA	**20**	**18**	**23**			

HEALTH UNITS OF ALBERTA

NUMBER OF MALE DEATHS, 1987
CHRONIC OBSTRUCTIVE LUNG DISEASE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	3	14	17
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	1	0	0	1
ATHABASCA	0	0	0	0	0	0	0	2	3	2	7
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	2	2	4
BIG COUNTRY	0	0	0	0	0	0	0	0	0	3	3
CALGARY	0	0	1	1	2	0	2	4	28	55	93
CHINOOK	0	0	0	0	0	0	0	1	2	6	9
DRUMHELLER	0	0	0	0	0	0	0	1	5	6	12
EDMONTON	0	1	0	1	2	1	0	14	19	47	85
FOOTHILLS	0	0	0	0	0	0	0	1	2	8	11
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	1	0	0	1	2
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	1	1
LEDUC-STRATHCONA	0	0	0	0	0	0	0	1	4	7	12
LETHBRIDGE	0	0	0	0	0	0	0	1	3	7	11
MINBURN-VERMILION	0	0	0	0	0	0	0	0	1	8	9
MOUNT VIEW	0	0	0	0	0	0	0	0	4	6	10
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	5	1	6
PEACE RIVER	0	0	0	0	0	0	0	1	3	5	9
RED DEER REGIONAL	0	0	0	0	0	0	1	1	5	6	13
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	0	0	3	2	5
SOUTH PEACE	0	0	0	0	0	0	0	0	4	7	11
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	2	2	4
STURGEON	0	0	1	0	0	0	1	0	4	8	14
VEGREVILLE	0	0	0	0	0	0	0	0	1	2	3
WETOKA	0	0	0	0	0	0	0	0	2	2	4
ALBERTA	**0**	**1**	**2**	**2**	**4**	**1**	**5**	**28**	**105**	**208**	**356**

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1987
CHRONIC OBSTRUCTIVE LUNG DISEASE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	137	919
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	74	0	0
ATHABASCA	0	0	0	0	0	0	0	162	427	399
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	195	289
BIG COUNTRY	0	0	0	0	0	0	0	0	0	1017
CALGARY	0	0	2	2	3	0	7	18	229	866
CHINOOK	0	0	0	0	0	0	0	61	144	610
DRUMHELLER	0	0	0	0	0	0	0	74	463	866
EDMONTON	0	5	0	2	3	3	0	63	149	634
FOOTHILLS	0	0	0	0	0	0	0	75	205	1189
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	204	0	0	1299
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	1695
LEDUC-STRATHCONA	0	0	0	0	0	0	0	31	243	800
LETHBRIDGE	0	0	0	0	0	0	0	42	153	534
MINBURN-VERMILION	0	0	0	0	0	0	0	0	83	906
MOUNT VIEW	0	0	0	0	0	0	0	0	314	706
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	406	141
PEACE RIVER	0	0	0	0	0	0	0	73	368	734
RED DEER REGIONAL	0	0	0	0	0	0	19	24	167	321
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	0	0	126	149
SOUTH PEACE	0	0	0	0	0	0	0	0	339	790
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	166	285
STURGEON	0	0	11	0	0	0	21	0	211	679
VEGREVILLE	0	0	0	0	0	0	0	0	69	184
WETOKA	0	0	0	0	0	0	0	0	161	219
ALBERTA	**0**	**1**	**1**	**1**	**2**	**1**	**5**	**32**	**193**	**629**

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1987
CHRONIC OBSTRUCTIVE LUNG DISEASE

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	32	17	47	11	1.07	.
ALBERTA WEST CENTRAL	5	-5	16	25	0.17	.
ATHABASCA	62	11	74	5	1.40	.
BANFF NATIONAL PARK	0	0	0	26	0.00	.
BARONS-EUREKA-WARNER	17	0	33	20	0.57	.
BIG COUNTRY	28	-4	60	15	0.93	.
CALGARY	38	30	45	7	1.27	YES
CHINOOK	28	9	66	16	0.93	.
DRUMHELLER	51	22	79	2	1.70	.
EDMONTON	31	24	37	13	1.03	.
FOOTHILLS	48	19	76	3	1.60	.
FORT MCMURRAY	0	0	0	27	0.00	.
HIGH LEVEL-FORT VERMILION	55	-25	134	1	1.83	.
JASPER NATIONAL PARK	47	-45	139	4	1.57	.
LEDUC-STRATHCONA	35	15	56	9	1.17	.
LETHBRIDGE	25	10	40	17	0.83	.
MINBURN-VERMILION	29	10	48	14	0.97	.
MOUNT VIEW	34	13	55	10	1.13	.
NORTH EASTERN ALBERTA	22	4	40	18	0.73	.
PEACE RIVER	42	14	71	6	1.40	.
RED DEER REGIONAL	20	9	31	19	0.67	.
SOUTHEASTERN ALBERTA	10	1	19	23	0.33	.
SOUTH PEACE	37	15	60	8	1.23	.
STONY PLAIN-LAC STE. ANNE	15	0	31	21	0.50	.
STURGEON	32	15	49	12	1.07	.
VEGREVILLE	8	-1	18	24	0.27	.
WETOKA	13	0	27	22	0.43	.
ALBERTA	**30**	**27**	**33**			

HEALTH UNITS OF ALBERTA

NUMBER OF MALE DEATHS, 1987
LIVER CIRRHOSIS

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	1	0	1	1	1	4
ALBERTA WEST CENTRAL	0	0	0	0	0	0	1	0	0	0	1
ATHABASCA	0	0	0	0	0	1	1	0	0	1	3
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	1	0	0	1
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	0	0	1	3	11	4	3	22
CHINOOK	0	0	0	0	0	0	0	1	0	0	1
DRUMHELLER	0	0	0	0	0	0	0	0	0	0	0
EDMONTON	0	0	0	0	0	1	4	9	9	2	25
FOOTHILLS	0	0	0	0	0	0	1	0	0	0	1
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	1	0	0	0	1
LEDUC-STRATHCONA	0	0	0	0	0	1	0	0	0	0	1
LETHBRIDGE	0	0	0	0	0	0	0	0	0	0	0
MINBURN-VERMILION	0	0	0	0	0	0	0	3	2	1	6
MOUNT VIEW	0	0	0	0	0	1	1	0	0	0	2
NORTH EASTERN ALBERTA	0	0	0	0	0	1	0	1	1	1	4
PEACE RIVER	0	0	0	0	0	0	1	0	1	0	2
RED DEER REGIONAL	0	0	0	0	0	1	0	0	1	0	2
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	0	1	1	0	2
SOUTH PEACE	0	0	0	0	0	0	0	1	0	1	2
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	3	1	0	0	4
STURGEON	0	0	0	0	0	1	0	1	0	1	3
VEGREVILLE	0	0	0	0	0	0	0	0	1	1	2
WETOKA	0	0	0	0	0	0	0	0	1	0	1
ALBERTA	**0**	**0**	**0**	**0**	**0**	**9**	**16**	**31**	**22**	**12**	**90**

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1987
LIVER CIRRHOSIS

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	30	0	41	46	66
ALBERTA WEST CENTRAL	0	0	0	0	0	0	51	0	0	0
ATHABASCA	0	0	0	0	0	51	73	0	0	200
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	63	0	0
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	0	0	2	10	49	33	47
CHINOOK	0	0	0	0	0	0	0	61	0	0
DRUMHELLER	0	0	0	0	0	0	0	0	0	0
EDMONTON	0	0	0	0	0	3	15	41	70	27
FOOTHILLS	0	0	0	0	0	0	62	0	0	0
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	781	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	10	0	0	0	0
LETHBRIDGE	0	0	0	0	0	0	0	0	0	0
MINBURN-VERMILION	0	0	0	0	0	0	0	191	166	113
MOUNT VIEW	0	0	0	0	0	21	34	0	0	0
NORTH EASTERN ALBERTA	0	0	0	0	0	33	0	59	81	141
PEACE RIVER	0	0	0	0	0	0	54	0	123	0
RED DEER REGIONAL	0	0	0	0	0	12	0	0	33	0
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	0	33	42	0
SOUTH PEACE	0	0	0	0	0	0	0	47	0	113
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	90	44	0	0
STURGEON	0	0	0	0	0	12	0	30	0	85
VEGREVILLE	0	0	0	0	0	0	0	0	69	92
WETOKA	0	0	0	0	0	0	0	0	81	0
ALBERTA	**0**	**0**	**0**	**0**	**0**	**5**	**15**	**35**	**40**	**36**

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1987
LIVER CIRRHOSIS

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	11	0	23	6	1.38	.
ALBERTA WEST CENTRAL	5	-4	14	15	0.63	.
ATHABASCA	20	-3	42	3	2.50	.
BANFF NATIONAL PARK	0	0	0	22	0.00	.
BARONS-EUREKA-WARNER	5	-4	14	16	0.63	.
BIG COUNTRY	0	0	0	23	0.00	.
CALGARY	8	4	11	9	1.00	.
CHINOOK	4	-4	13	17	0.50	.
DRUMHELLER	0	0	0	24	0.00	.
EDMONTON	9	5	12	8	1.13	.
FOOTHILLS	6	-5	17	11	0.75	.
FORT MCMURRAY	0	0	0	25	0.00	.
HIGH LEVEL-FORT VERMILION	0	0	0	26	0.00	.
JASPER NATIONAL PARK	72	-69	213	1	9.00	.
LEDUC-STRATHCONA	2	-1	4	21	0.25	.
LETHBRIDGE	0	0	0	27	0.00	.
MINBURN-VERMILION	25	5	45	2	3.13	YES
MOUNT VIEW	6	-2	14	12	0.75	.
NORTH EASTERN ALBERTA	17	0	33	4	2.13	.
PEACE RIVER	11	-4	25	7	1.38	.
RED DEER REGIONAL	3	-1	8	20	0.38	.
SOUTHEASTERN ALBERTA	4	-2	10	18	0.50	.
SOUTH PEACE	7	-3	16	10	0.88	.
STONY PLAIN-LAC STE. ANNE	12	0	23	5	1.50	.
STURGEON	6	-1	14	13	0.75	.
VEGREVILLE	6	-2	14	14	0.75	.
WETOKA	4	-4	11	19	0.50	.
ALBERTA	**8**	**6**	**9**			

HEALTH UNITS OF ALBERTA

NUMBER OF MALE DEATHS, 1987
CONGENITAL ANOMALY

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	0	0	0
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	0	0	0
ATHABASCA	0	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	1	0	1	1	0	0	0	0	0	0	3
BIG COUNTRY	0	1	0	0	0	0	0	0	0	0	1
CALGARY	11	1	0	0	0	0	0	0	0	0	12
CHINOOK	0	0	1	0	0	0	0	0	0	0	1
DRUMHELLER	2	0	0	0	0	0	0	0	0	0	2
EDMONTON	14	4	0	1	2	0	0	0	1	0	22
FOOTHILLS	2	0	0	1	0	0	0	0	0	0	3
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	2	0	0	0	0	0	0	0	0	0	2
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	2	0	0	1	0	0	0	0	0	0	3
LETHBRIDGE	0	0	1	0	1	0	1	0	0	0	3
MINBURN-VERMILION	3	0	0	0	0	0	0	0	0	0	3
MOUNT VIEW	2	0	0	0	0	0	0	0	0	0	2
NORTH EASTERN ALBERTA	2	0	0	0	0	0	0	0	0	0	2
PEACE RIVER	0	0	0	0	0	0	0	0	0	0	0
RED DEER REGIONAL	2	0	0	1	0	0	0	0	0	0	3
SOUTHEASTERN ALBERTA	0	0	1	0	0	0	0	0	0	0	1
SOUTH PEACE	2	1	0	1	0	0	0	0	0	0	4
STONY PLAIN-LAC STE. ANNE	4	0	0	0	0	0	0	0	0	1	5
STURGEON	0	0	0	0	0	0	0	0	0	0	0
VEGREVILLE	0	0	0	0	0	0	0	0	0	0	0
WETOKA	1	0	0	0	0	0	0	0	0	0	1
ALBERTA	**50**	**7**	**4**	**6**	**3**	**0**	**1**	**0**	**1**	**1**	**73**

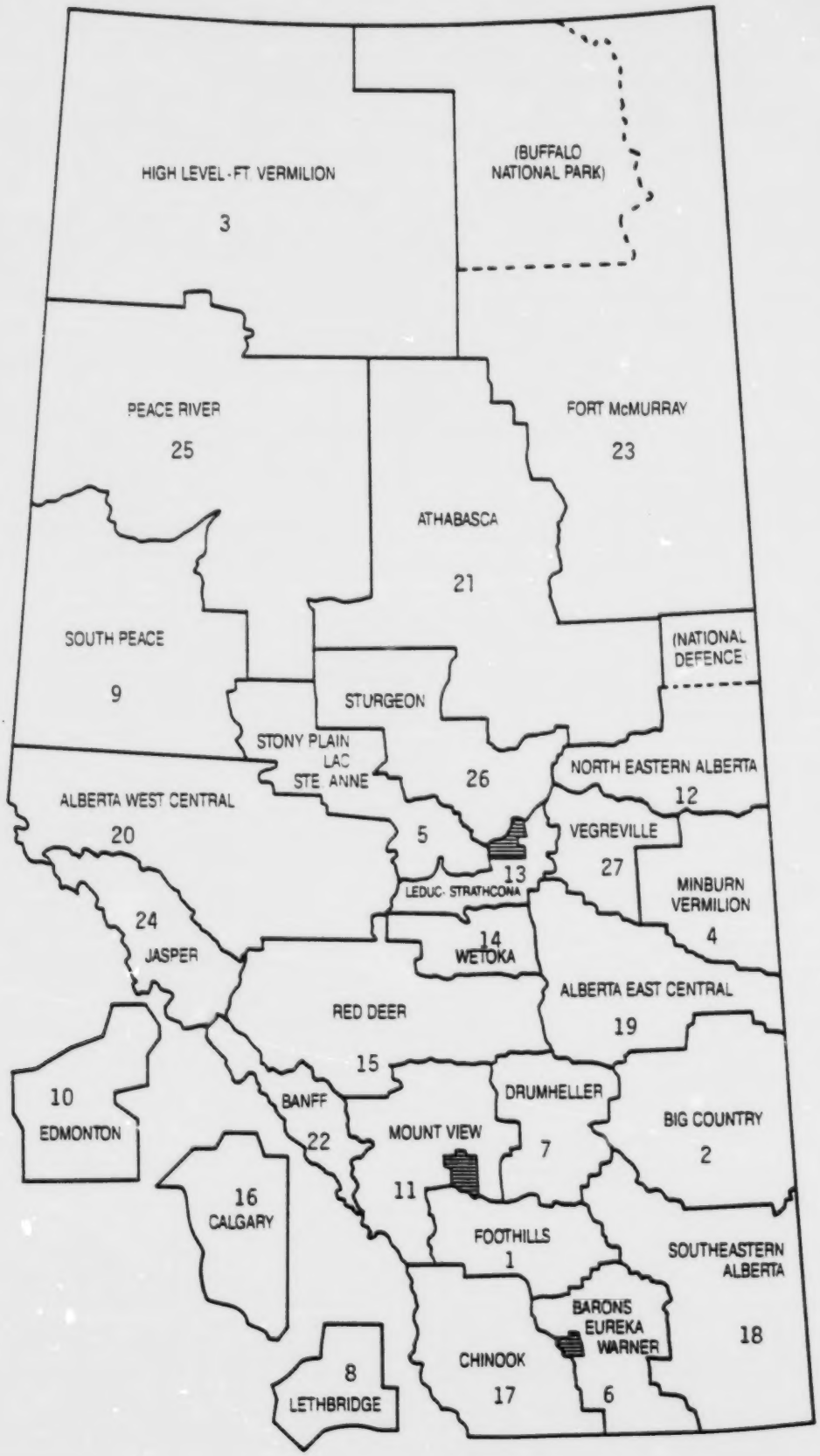
AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1987
CONGENITAL ANOMALY

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	0	0
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	0	0
ATHABASCA	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	267	0	27	29	0	0	0	0	0	0
BIG COUNTRY	0	236	0	0	0	0	0	0	0	0
CALGARY	195	5	0	0	0	0	0	0	0	0
CHINOOK	0	0	27	0	0	0	0	0	0	0
DRUMHELLER	707	0	0	0	0	0	0	0	0	0
EDMONTON	270	21	0	2	3	0	0	0	8	0
FOOTHILLS	769	0	0	43	0	0	0	0	0	0
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	966	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	230	0	0	12	0	0	0	0	0	0
LETHBRIDGE	0	0	23	0	19	0	40	0	0	0
MINBURN-VERMILION	845	0	0	0	0	0	0	0	0	0
MOUNT VIEW	372	0	0	0	0	0	0	0	0	0
NORTH EASTERN ALBERTA	411	0	0	0	0	0	0	0	0	0
PEACE RIVER	0	0	0	0	0	0	0	0	0	0
RED DEER REGIONAL	185	0	0	10	0	0	0	0	0	0
SOUTHEASTERN ALBERTA	0	0	16	0	0	0	0	0	0	0
SOUTH PEACE	310	38	0	18	0	0	0	0	0	0
STONY PLAIN-LAC STE. ANNE	640	0	0	0	0	0	0	0	0	143
STURGEON	0	0	0	0	0	0	0	0	0	0
VEGREVILLE	0	0	0	0	0	0	0	0	0	0
WETOKA	312	0	0	0	0	0	0	0	0	0
ALBERTA	**233**	**8**	**2**	**3**	**1**	**0**	**1**	**0**	**2**	**3**

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1987
CONGENITAL ANOMALY

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	0	0	0	19	0.00	.
ALBERTA WEST CENTRAL	0	0	0	20	0.00	.
ATHABASCA	0	0	0	21	0.00	.
BANFF NATIONAL PARK	0	0	0	22	0.00	.
BARONS-EUREKA-WARNER	14	-2	29	6	2.33	.
BIG COUNTRY	17	-16	49	2	2.83	.
CALGARY	4	2	6	16	0.67	.
CHINOOK	4	-4	12	17	0.67	.
DRUMHELLER	13	-5	30	7	2.17	.
EDMONTON	8	4	11	10	1.33	.
FOOTHILLS	21	-3	45	1	3.50	.
FORT MCMURRAY	0	0	0	23	0.00	.
HIGH LEVEL-FORT VERMILION	17	-7	41	3	2.83	.
JASPER NATIONAL PARK	0	0	0	24	0.00	.
LEDUC-STRATHCONA	6	-1	13	13	1.00	.
LETHBRIDGE	11	-1	24	8	1.83	.
MINBURN-VERMILION	15	-2	32	4	2.50	.
MOUNT VIEW	7	-3	16	11	1.17	.
NORTH EASTERN ALBERTA	7	-3	18	12	1.17	.
PEACE RIVER	0	0	0	25	0.00	.
RED DEER REGIONAL	5	-1	11	15	0.83	.
SOUTHEASTERN ALBERTA	2	-2	7	18	0.33	.
SOUTH PEACE	11	0	22	9	1.83	.
STONY PLAIN-LAC STE. ANNE	15	2	29	5	2.50	.
STURGEON	0	0	0	26	0.00	.
VEGREVILLE	0	0	0	27	0.00	.
WETOKA	6	-5	17	14	1.00	.
ALBERTA	**6**	**5**	**8**			

HEALTH UNITS OF ALBERTA



NUMBER OF MALE DEATHS, 1987
MOTOR VEHICLE ACCIDENTS

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	2	11	4	1	0	1	1	0	20
ALBERTA WEST CENTRAL	0	0	0	0	3	0	0	0	0	0	3
ATHABASCA	0	0	0	5	3	0	3	0	2	1	14
BANFF NATIONAL PARK	0	0	0	1	0	0	0	0	0	0	1
BARONS-EUREKA-WARNER	0	0	0	1	3	1	0	0	0	0	5
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0	0
CALGARY	0	4	2	10	13	6	4	2	2	5	48
CHINOOK	0	1	1	5	1	1	0	0	0	0	9
DRUMHELLER	0	0	0	0	0	1	0	0	1	0	2
EDMONTON	0	1	0	17	8	6	3	7	4	1	47
FOOTHILLS	0	0	1	4	1	1	0	1	0	0	8
FORT MCMURRAY	0	0	0	4	2	0	1	1	1	0	9
HIGH LEVEL-FORT VERMILION	0	0	0	1	0	1	0	1	0	0	3
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	1	3	6	2	2	0	0	0	14
LETHBRIDGE	0	0	1	2	1	1	0	0	1	0	6
MINBURN-VERMILION	0	0	1	2	5	0	0	0	0	0	8
MOUNT VIEW	0	0	2	6	2	3	1	0	1	0	15
NORTH EASTERN ALBERTA	0	0	1	2	2	0	0	1	0	0	6
PEACE RIVER	0	0	0	3	5	1	4	1	0	0	14
RED DEER REGIONAL	0	1	0	6	9	1	2	0	0	1	20
SOUTHEASTERN ALBERTA	0	0	0	5	2	0	0	2	1	0	10
SOUTH PEACE	0	0	1	5	1	1	0	0	1	0	9
STONY PLAIN-LAC STE. ANNE	0	0	0	2	1	1	2	2	0	1	9
STURGEON	1	1	2	3	2	3	1	0	0	0	13
VEGREVILLE	0	0	1	2	1	0	0	1	0	0	5
WETOKA	0	0	0	2	1	1	2	2	0	0	8
ALBERTA	**1**	**8**	**16**	**102**	**76**	**32**	**25**	**22**	**15**	**9**	**306**

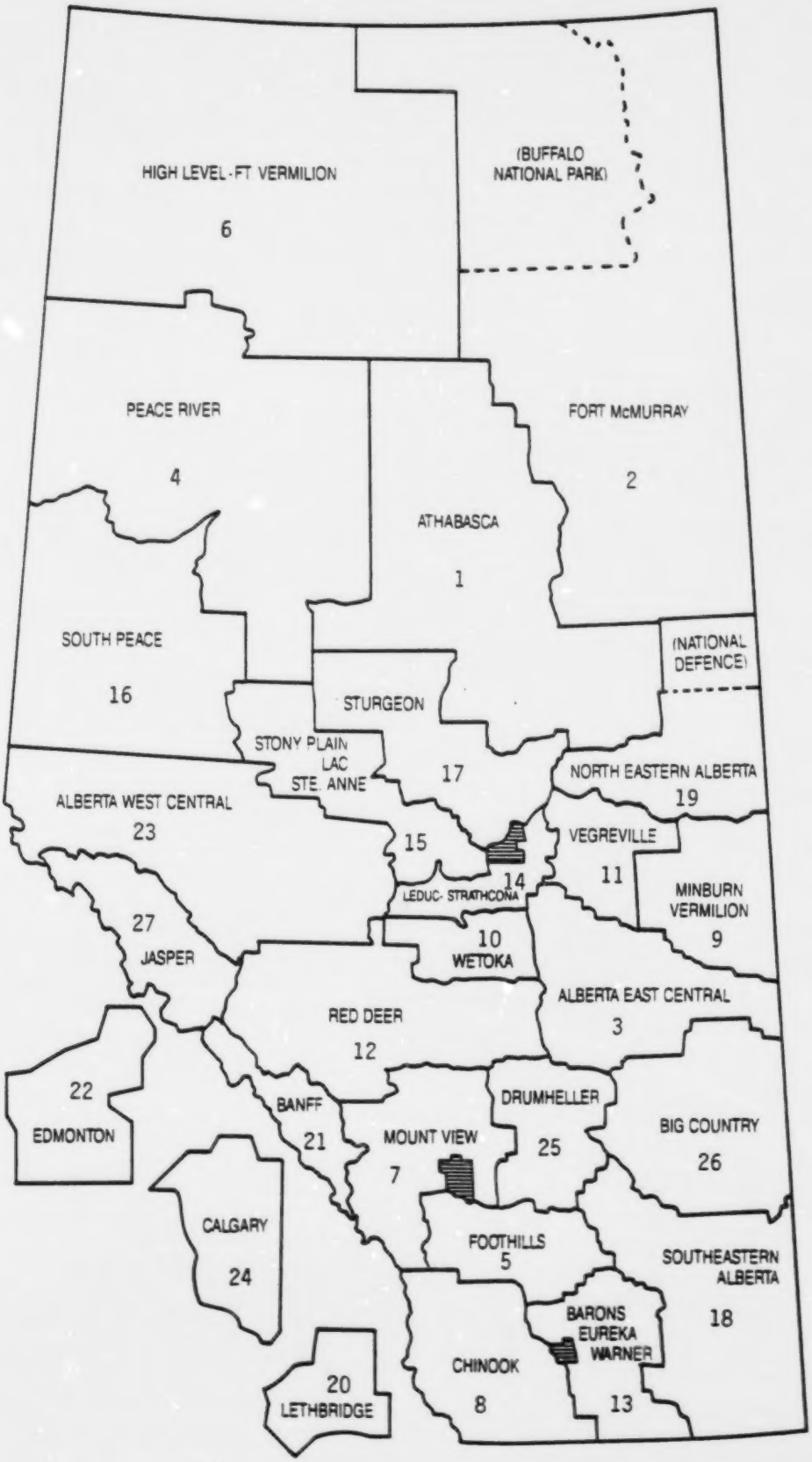
AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1987
MOTOR VEHICLE ACCIDENTS

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	47	261	94	30	0	41	46	0
ALBERTA WEST CENTRAL	0	0	0	0	71	0	0	0	0	0
ATHABASCA	0	0	0	176	112	0	218	0	285	200
BANFF NATIONAL PARK	0	0	0	96	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	29	94	41	0	0	0	0
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0
CALGARY	0	19	5	19	17	12	14	9	16	79
CHINOOK	0	68	27	157	33	41	0	0	0	0
DRUMHELLER	0	0	0	0	0	43	0	0	93	0
EDMONTON	0	5	0	34	12	16	12	32	31	13
FOOTHILLS	0	0	35	173	37	39	0	75	0	0
FORT MCMURRAY	0	0	0	125	43	0	69	190	909	0
HIGH LEVEL-FORT VERMILION	0	0	0	72	0	124	0	295	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	10	36	71	21	37	0	0	0
LETHBRIDGE	0	0	23	42	19	27	0	0	51	0
MINBURN-VERMILION	0	0	31	65	144	0	0	0	0	0
MOUNT VIEW	0	0	37	133	35	62	34	0	78	0
NORTH EASTERN ALBERTA	0	0	23	47	43	0	0	59	0	0
PEACE RIVER	0	0	0	87	150	42	214	73	0	0
RED DEER REGIONAL	0	22	0	62	73	12	39	0	0	53
SOUTHEASTERN ALBERTA	0	0	0	81	28	0	0	67	42	0
SOUTH PEACE	0	0	17	90	16	22	0	0	85	0
STONY PLAIN-LAC STE. ANNE	0	0	0	40	17	18	60	89	0	143
STURGEON	123	28	22	40	24	37	21	0	0	0
VEGREVILLE	0	0	44	104	47	0	0	69	0	0
WETOKA	0	0	0	70	34	40	113	120	0	0
ALBERTA	**5**	**10**	**9**	**51**	**31**	**19**	**23**	**25**	**28**	**27**

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1987
MOTOR VEHICLE ACCIDENTS

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	79	44	115	3	3.04	YES
ALBERTA WEST CENTRAL	15	-2	32	23	0.58	.
ATHABASCA	91	43	139	1	3.50	YES
BANFF NATIONAL PARK	16	-15	47	21	0.62	.
BARONS-EUREKA-WARNER	30	4	57	13	1.15	.
BIG COUNTRY	0	0	0	26	0.00	.
CALGARY	15	11	20	24	0.58	.
CHINOOK	48	16	79	8	1.85	.
DRUMHELLER	10	-4	25	25	0.38	.
EDMONTON	16	12	21	22	0.62	.
FOOTHILLS	53	16	90	5	2.04	.
FORT MCMURRAY	91	2	181	2	3.50	.
HIGH LEVEL-FORT VERMILION	52	-8	112	6	2.00	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRATHCONA	29	13	44	14	1.12	.
LETHBRIDGE	21	4	37	20	0.81	.
MINBURN-VERMILION	45	14	77	9	1.73	.
MOUNT VIEW	51	25	76	7	1.96	YES
NORTH EASTERN ALBERTA	25	5	45	19	0.96	.
PEACE RIVER	77	36	117	4	2.96	YES
RED DEER REGIONAL	34	19	49	12	1.31	.
SOUTHEASTERN ALBERTA	26	10	42	18	1.00	.
SOUTH PEACE	28	10	46	16	1.08	.
STONY PLAIN-LAC STE. ANNE	29	10	48	15	1.12	.
STURGEON	27	12	41	17	1.04	.
VEGREVILLE	39	4	74	11	1.50	.
WETOKA	44	13	74	10	1.69	.
ALBERTA	**26**	**23**	**28**			

HEALTH UNITS OF ALBERTA



NUMBER OF MALE DEATHS, 1987
SUICIDE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	1	0	0	3	2	0	6
ALBERTA WEST CENTRAL	0	0	0	3	2	1	1	0	0	0	7
ATHABASCA	0	0	0	3	2	0	1	0	1	0	7
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	1	1	0	0	0	0	2
BIG COUNTRY	0	0	0	0	0	0	0	0	1	0	1
CALGARY	0	0	0	12	18	7	15	9	3	2	66
CHINOOK	0	0	0	0	1	0	1	1	0	0	3
DRUMHELLER	0	0	0	2	2	0	0	2	0	0	6
EDMONTON	0	0	0	18	27	15	15	12	6	3	96
FOOTHILLS	0	0	0	0	1	1	0	0	0	1	3
FORT MCMURRAY	0	0	0	0	2	1	1	0	0	0	4
HIGH LEVEL-FORT VERMILION	0	0	0	1	1	0	0	2	0	1	5
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	1	3	0	2	2	0	0	8
LETHBRIDGE	0	0	0	0	0	3	0	0	0	0	3
MINBURN-VERMILION	0	0	0	2	2	0	0	1	1	0	6
MOUNT VIEW	0	0	0	1	2	2	1	0	0	0	6
NORTH EASTERN ALBERTA	0	0	0	0	0	1	1	0	0	0	2
PEACE RIVER	0	0	0	0	1	2	0	0	1	1	5
RED DEER REGIONAL	0	0	0	2	2	2	2	2	3	0	13
SOUTHEASTERN ALBERTA	0	0	1	1	1	1	0	0	0	0	4
SOUTH PEACE	0	0	0	1	2	3	1	0	2	1	10
STONY PLAIN-LAC STE. ANNE	0	0	0	3	3	3	2	1	0	0	12
STURGEON	0	0	0	3	1	0	2	1	3	1	11
VEGREVILLE	0	0	0	1	1	0	0	0	0	0	2
WETOKA	0	0	0	1	4	1	1	1	0	1	9
ALBERTA	**0**	**0**	**1**	**55**	**80**	**44**	**46**	**37**	**23**	**11**	**297**

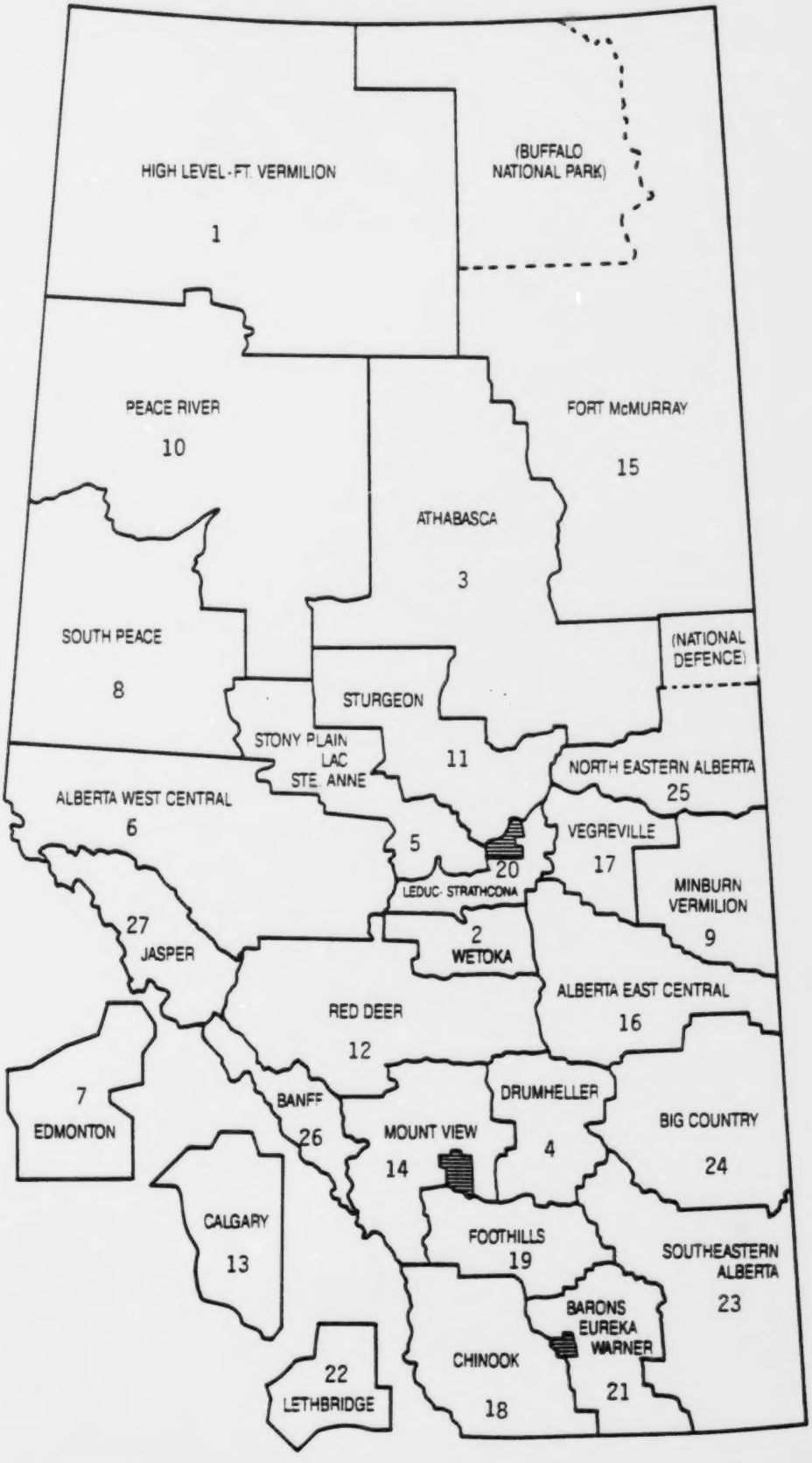
AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1987
SUICIDE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	23	0	0	122	91	0
ALBERTA WEST CENTRAL	0	0	0	87	48	35	51	0	0	0
ATHABASCA	0	0	0	106	75	0	73	0	142	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	31	41	0	0	0	0
BIG COUNTRY	0	0	0	0	0	0	0	0	223	0
CALGARY	0	0	0	23	24	14	51	40	25	32
CHINOOK	0	0	0	0	33	0	57	61	0	0
DRUMHELLER	0	0	0	73	72	0	0	148	0	0
EDMONTON	0	0	0	37	42	40	58	54	47	40
FOOTHILLS	0	0	0	0	37	39	0	0	0	149
FORT MCMURRAY	0	0	0	0	43	29	69	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	72	76	0	0	590	0	1299
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	12	35	0	37	61	0	0
LETHBRIDGE	0	0	0	0	0	80	0	0	0	0
MINBURN-VERMILION	0	0	0	65	58	0	0	64	83	0
MOUNT VIEW	0	0	0	22	35	41	34	0	0	0
NORTH EASTERN ALBERTA	0	0	0	0	0	33	46	0	0	0
PEACE RIVER	0	0	0	0	30	85	0	0	123	147
RED DEER REGIONAL	0	0	0	21	16	24	39	49	100	0
SOUTHEASTERN ALBERTA	0	0	16	16	14	21	0	0	0	0
SOUTH PEACE	0	0	0	18	31	67	35	0	169	113
STONY PLAIN-LAC STE. ANNE	0	0	0	59	50	55	60	44	0	0
STURGEON	0	0	0	40	12	0	42	30	158	85
VEGREVILLE	0	0	0	52	47	0	0	0	0	0
WETOKA	0	0	0	35	136	40	57	60	0	110
ALBERTA	**0**	**0**	**1**	**28**	**32**	**25**	**42**	**42**	**42**	**33**

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1987
SUICIDE

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	18	3	33	16	0.72	.
ALBERTA WEST CENTRAL	34	9	59	6	1.36	.
ATHABASCA	46	12	81	3	1.84	.
BANFF NATIONAL PARK	0	0	0	26	0.00	.
BARONS-EUREKA-WARNER	12	-5	30	21	0.48	.
BIG COUNTRY	10	-10	30	24	0.40	.
CALGARY	20	15	25	13	0.80	.
CHINOOK	17	-2	36	18	0.68	.
DRUMHELLER	38	7	68	4	1.52	.
EDMONTON	33	26	40	7	1.32	YES
FOOTHILLS	17	-3	38	19	0.68	.
FORT MCMURRAY	19	0	39	15	0.76	.
HIGH LEVEL-FORT VERMILION	107	7	208	1	4.28	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRATHCONA	17	5	29	20	0.68	.
LETHBRIDGE	12	-2	25	22	0.48	.
MINBURN-VERMILION	31	6	56	9	1.24	.
MOUNT VIEW	20	4	36	14	0.80	.
NORTH EASTERN ALBERTA	9	-4	22	25	0.36	.
PEACE RIVER	28	3	53	10	1.12	.
RED DEER REGIONAL	22	10	34	12	0.88	.
SOUTHEASTERN ALBERTA	11	0	22	23	0.44	.
SOUTH PEACE	33	13	54	8	1.32	.
STONY PLAIN-LAC STE. ANNE	37	16	58	5	1.48	.
STURGEON	25	10	40	11	1.00	.
VEGREVILLE	18	-7	44	17	0.72	.
WETOKA	52	17	88	2	2.08	.
ALBERTA	**25**	**22**	**28**			

HEALTH UNITS OF ALBERTA



NUMBER OF MALE DEATHS, 1987
PROSTATE CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	3	4	7
ALBERTA WEST CENTRAL	0	0	0	0	0	0	1	2	0	0	3
ATHABASCA	0	0	0	0	0	0	0	0	1	2	3
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	1	4	5
BIG COUNTRY	0	0	0	0	0	0	0	0	1	1	2
CALGARY	0	0	0	0	0	0	0	4	15	27	46
CHINOOK	0	0	0	0	0	0	0	0	2	2	4
DRUMHELLER	0	0	0	0	0	0	0	2	0	5	7
EDMONTON	0	0	0	0	0	1	1	5	11	35	53
FOOTHILLS	0	0	0	0	0	0	0	1	2	3	6
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	0	2	5	7
LETHBRIDGE	0	0	0	0	0	0	0	0	1	3	4
MINBURN-VERMILION	0	0	0	0	0	0	0	0	3	0	3
MOUNT VIEW	0	0	0	0	0	0	0	0	3	4	7
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	1	2	3
PEACE RIVER	0	0	0	0	0	0	0	1	1	2	4
RED DEER REGIONAL	0	0	0	0	0	0	0	2	1	9	12
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	0	2	1	5	8
SOUTH PEACE	0	0	0	0	0	0	0	0	0	1	1
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	2	2	2	6
STURGEON	0	0	0	0	0	0	1	1	3	5	10
VEGREVILLE	0	0	0	0	0	0	0	0	6	4	10
WETOKA	0	0	0	0	0	0	0	0	1	1	2
ALBERTA	**0**	**0**	**0**	**0**	**0**	**1**	**3**	**22**	**61**	**126**	**213**

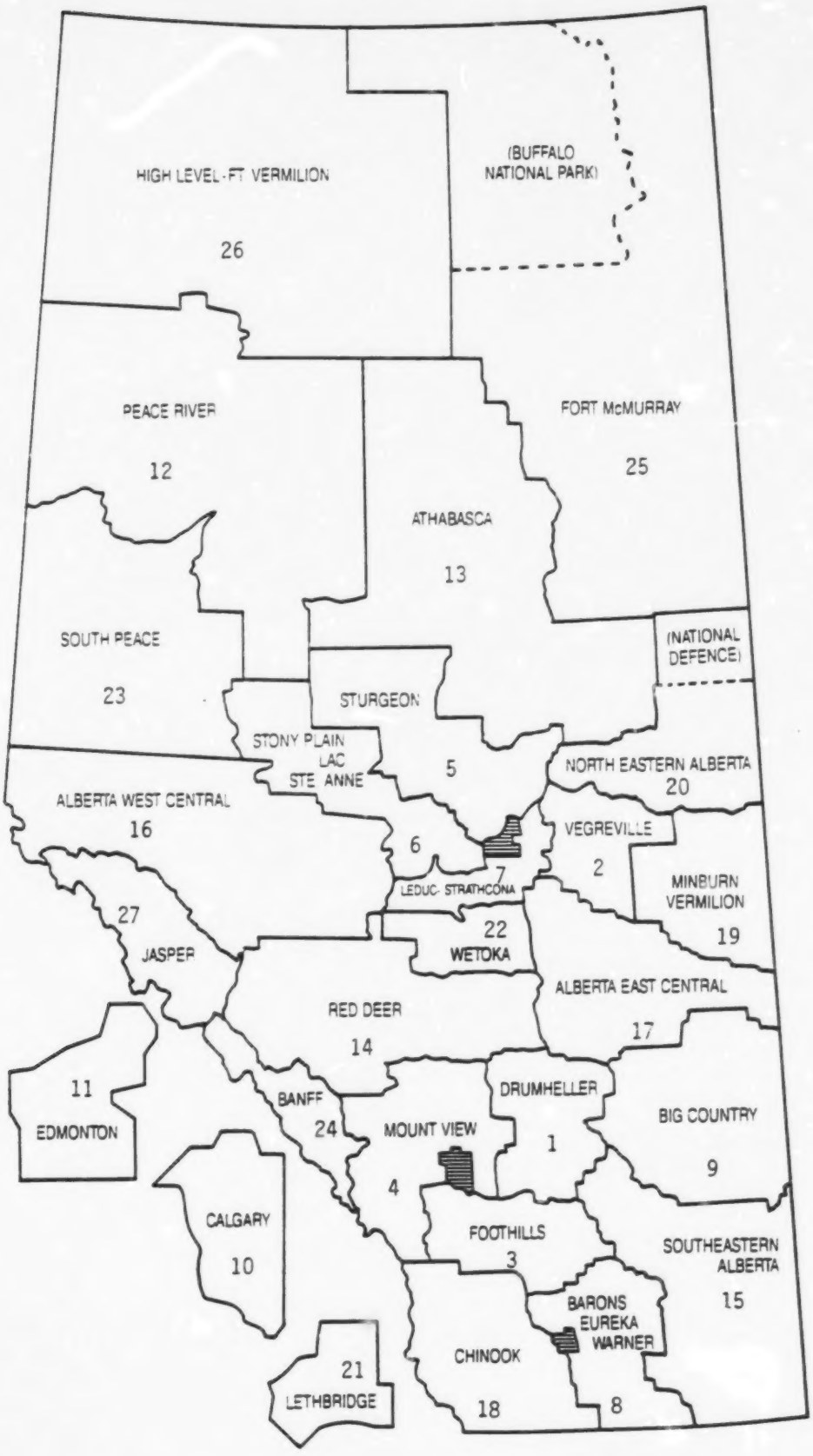
AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1987
PROSTATE CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	137	263
ALBERTA WEST CENTRAL	0	0	0	0	0	0	51	148	0	0
ATHABASCA	0	0	0	0	0	0	0	0	142	399
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	97	578
BIG COUNTRY	0	0	0	0	0	0	0	0	223	339
CALGARY	0	0	0	0	0	0	0	18	123	425
CHINOOK	0	0	0	0	0	0	0	0	144	203
DRUMHELLER	0	0	0	0	0	0	0	148	0	722
EDMONTON	0	0	0	0	0	3	4	23	86	472
FOOTHILLS	0	0	0	0	0	0	0	75	205	446
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	0	121	571
LETHBRIDGE	0	0	0	0	0	0	0	0	51	229
MINBURN-VERMILION	0	0	0	0	0	0	0	0	249	0
MOUNT VIEW	0	0	0	0	0	0	0	0	235	471
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	81	281
PEACE RIVER	0	0	0	0	0	0	0	73	123	294
RED DEER REGIONAL	0	0	0	0	0	0	0	49	33	481
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	0	67	42	372
SOUTH PEACE	0	0	0	0	0	0	0	0	0	113
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	89	166	285
STURGEON	0	0	0	0	0	0	21	30	158	424
VEGREVILLE	0	0	0	0	0	0	0	0	414	367
WETOKA	0	0	0	0	0	0	0	0	81	110
ALBERTA	**0**	**0**	**0**	**0**	**0**	**1**	**3**	**25**	**112**	**381**

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1987
PROSTATE CANCER

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	14	3	24	17	0.78	.
ALBERTA WEST CENTRAL	16	-2	33	16	0.89	.
ATHABASCA	18	-2	37	13	1.00	.
BANFF NATIONAL PARK	0	0	0	24	0.00	.
BARONS-EUREKA-WARNER	20	3	38	8	1.11	.
BIG COUNTRY	20	-8	47	9	1.11	.
CALGARY	19	13	24	10	1.06	.
CHINOOK	12	0	24	18	0.67	.
DRUMHELLER	31	8	54	1	1.72	.
EDMONTON	19	14	25	11	1.06	.
FOOTHILLS	27	5	49	3	1.50	.
FORT MCMURRAY	0	0	0	25	0.00	.
HIGH LEVEL-FORT VERMILION	0	0	0	26	0.00	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRATHCONA	21	6	37	7	1.17	.
LETHBRIDGE	9	0	17	21	0.50	.
MINBURN-VERMILION	11	-1	24	19	0.61	.
MOUNT VIEW	24	6	41	4	1.33	.
NORTH EASTERN ALBERTA	11	-2	24	20	0.61	.
PEACE RIVER	19	0	38	12	1.06	.
RED DEER REGIONAL	18	8	29	14	1.00	.
SOUTHEASTERN ALBERTA	17	5	29	15	0.94	.
SOUTH PEACE	3	-3	9	23	0.17	.
STONY PLAIN-LAC STE. ANNE	22	4	40	6	1.22	.
STURGEON	23	9	37	5	1.28	.
VEGREVILLE	29	11	47	2	1.61	.
WETOKA	7	-3	16	22	0.39	.
ALBERTA	**18**	**15**	**20**			

HEALTH UNITS OF ALBERTA



CHAPTER 4
FEMALE DEATHS
1987

DESCRIPTION OF TABLES

This chapter deals with deaths in female population. The layout of Chapter 4 is identical to that of Chapter 3 except that it includes female breast cancer instead of prostate cancer.

The causes of death selected for study are listed along with rubrics below:

CAUSE OF DEATH	ICD-9 RUBRIC
All Causes	1 - 999
All Cancer	140 - 208
Colon Cancer	153 - 154
Lung Cancer	162
Female Breast Cancer	174
Diabetes Mellitus	250
Ischemic Heart Disease	410 - 414
Cerebrovascular Disease	430 - 438
Pneumonia	480 - 486
Chronic Obstructive Lung Disease	490 - 493, 496
Liver Cirrhosis	571
Congenital Anomaly	740 - 759
Motor Vehicle Accidents	810 - 819
Suicide	950 - 959

The causes have been ordered in the table and in the chapter in ascending order of rubric number, except for female breast cancer which has been placed at the end of the chapter. Because of this arrangement the tables and figures in this chapter correspond by page numbers.

NUMBER IN FEMALE POPULATION, 1987

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	398	1942	4241	3808	4001	3291	2391	2504	2521	1879	26976
ALBERTA WEST CENTRAL	371	1523	3262	3148	3741	2459	1681	1018	705	456	18364
ATHABASCA	357	1221	2834	2620	2461	1857	1238	972	728	472	14760
BANFF NATIONAL PARK	59	118	310	1187	878	508	284	201	138	85	3768
BARONS-EUREKA-WARNER	352	1531	3576	2991	2996	2372	1666	1522	1193	910	19109
BIG COUNTRY	88	458	940	898	882	704	492	587	445	334	5828
CALGARY	5405	20385	41340	53667	72563	47506	29214	23497	15928	11682	321187
CHINOOK	371	1778	3489	2952	2965	2337	1677	1716	1592	1150	20027
DRUMHELLER	297	1181	2710	2456	2613	2007	1348	1268	1213	828	15921
EDMONTON	4993	17899	34990	52048	61905	37043	26475	23509	17039	12417	288318
FOOTHILLS	254	1112	2720	2116	2710	2506	1378	1242	1214	789	16041
FORT MCMURRAY	376	1483	3600	3315	4408	2845	997	378	210	71	17683
HIGH LEVEL-FORT VERMILION	217	791	1786	1399	1139	628	399	166	112	85	6722
JASPER NATIONAL PARK	22	103	191	478	441	198	150	90	77	75	1825
LEDUC-STRATHCONA	783	3404	9653	7650	8926	9403	4682	2767	1785	1119	50172
LETHBRIDGE	440	1699	4225	4913	5531	3910	2710	2770	2536	2107	30841
MINBURN-VERMILION	340	1389	3092	3057	3299	2380	1505	1381	1370	1084	18897
MOUNT VIEW	496	2161	4943	3980	5768	4581	2675	1982	1550	946	29082
NORTH EASTERN ALBERTA	466	1803	4122	4105	3989	2775	1783	1404	1096	848	22391
PEACE RIVER	380	1452	3463	3002	3157	2245	1581	1179	837	561	17857
RED DEER REGIONAL	1098	4114	9304	10047	11565	7741	5035	4147	3324	2232	58607
SOUTHEASTERN ALBERTA	594	2513	5864	5958	6758	4774	3149	3149	2795	1880	37434
SOUTH PEACE	624	2491	5643	5516	6325	4028	2443	1892	1351	1006	31319
STONY PLAIN-LAC STE. ANNE	575	2482	6256	4490	6078	5048	2614	1824	1194	595	31156
STURGEON	783	3310	8560	6922	8403	7682	4226	2803	1908	1472	46069
VEGREVILLE	172	772	2242	1791	1941	1757	1357	1437	1440	1158	14067
WETOKA	319	1220	2730	2643	2966	2315	1754	1693	1406	1001	18047
ALBERTA	20630	80335	176086	197157	238409	164900	104904	87098	65707	47242	1182468

AGE DISTRIBUTIONS (IN %) FEMALES, 1987

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	1.5	7.2	15.7	14.1	14.8	12..2	8.9	9.3	9.3	7.0
ALBERTA WEST CENTRAL	2.0	8.3	17.8	17.1	20.3	13.4	9.2	5.5	3.8	2.5
ATHABASCA	2.4	8.3	19.2	17.8	16.7	12.6	8.4	6.6	4.9	3.2
BANFF NATIONAL PARK	1.6	3.1	8.2	31.5	23.3	13.5	7.5	5.3	3.7	2.3
BARONS-EUREKA-WARNER	1.8	8.0	18.7	15.7	15.7	12.4	8.7	8.0	6.2	4.8
BIG COUNTRY	1.5	7.9	16.1	15.4	15.1	12.1	8.4	10.1	7.6	5.7
CALGARY	1.7	6.3	12.9	16.7	22.6	14.8	9.1	7.3	5.0	3.6
CHINOOK	1.9	8.9	17.4	14.7	14.8	11.7	8.4	8.6	8.0	5.7
DRUMHELLER	1.9	7.4	17.0	15.4	16.4	12.6	8.5	8.0	7.6	5.2
EDMONTON	1.7	6.2	12.1	18.1	21.5	12.8	9.2	8.2	5.9	4.3
FOOTHILLS	1.6	6.9	17.0	13.2	16.9	15.6	8.6	7.7	7.6	4.9
FORT MCMURRAY	2.1	8.4	20.4	18.7	24.9	16.1	5.6	2.1	1.2	0.4
HIGH LEVEL-FORT VERMILION	3.2	11.8	26.6	20.8	16.9	9.3	5.9	2.5	1.7	1.3
JASPER NATIONAL PARK	1.2	5.6	10.5	26.2	24.2	10.8	8.2	4.9	4.2	4.1
LEDUC-STRATHCONA	1.6	6.8	19.2	15.2	17.8	18.7	9.3	5.5	3.6	2.2
LETHBRIDGE	1.4	5.5	13.7	15.9	17.9	12.7	8.8	9.0	8.2	6.8
MINBURN-VERMILION	1.8	7.4	16.4	16.2	17.5	12.6	8.0	7.3	7.2	5.7
MOUNT VIEW	1.7	7.4	17.0	13.7	19.8	15.8	9.2	6.8	5.8	3.3
NORTH EASTERN ALBERTA	2.1	8.1	18.4	18.3	17.8	12.4	7.1	5.3	3.7	2.5
PEACE RIVER	2.1	8.1	19.4	16.8	17.7	12.6	8.9	6.6	4.7	3.1
RED DEER REGIONAL	1.9	7.0	15.9	17.1	19.7	13.2	8.6	7.1	5.7	3.8
SOUTHEASTERN ALBERTA	1.6	6.7	16.0	16.0	18.1	12.8	8.4	8.4	7.5	5.0
SOUTH PEACE	2.0	8.0	18.0	17.6	20.2	12.9	7.8	6.0	4.3	3.2
STONY PLAIN-LAC STE. ANNE	1.8	8.0	20.1	14.4	19.5	16.2	8.4	5.9	3.8	1.9
STURGEON	1.7	7.2	18.6	15.0	18.2	16.7	9.2	6.1	4.1	3.2
VEGREVILLE	1.2	5.5	15.9	12.7	13.8	12.5	9.6	10.2	10.2	8.2
WETOKA	1.8	6.8	15.1	14.6	16.4	12.8	9.7	9.4	7.8	5.5
ALBERTA	**1.7**	**6.8**	**14.9**	**16.7**	**20.2**	**14.0**	**8.9**	**7.4**	**5.6**	**4.0**

NUMBER OF FEMALE DEATHS, 1987
ALL CAUSES

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	2	2	0	2	2	3	12	15	44	119	201
ALBERTA WEST CENTRAL	2	0	0	1	3	4	2	10	10	35	67
ATHABASCA	0	1	0	8	2	0	3	13	7	45	79
BANFF NATIONAL PARK	0	0	0	0	0	0	1	0	0	6	7
BARONS-EUREKA-WARNER	0	0	0	1	0	3	6	7	13	53	83
BIG COUNTRY	0	0	0	0	1	0	3	3	10	29	46
CALGARY	35	4	6	18	31	48	82	164	262	742	1392
CHINOOK	1	0	0	3	5	6	7	16	25	82	145
DRUMHELLER	3	0	0	3	2	3	1	8	18	56	94
EDMONTON	42	4	7	22	28	54	87	161	250	769	1424
FOOTHILLS	1	0	0	1	3	3	3	10	10	51	82
FORT MCMURRAY	3	1	0	2	2	1	4	3	3	6	25
HIGH LEVEL-FORT VERMILION	2	0	0	0	0	0	0	2	3	4	11
JASPER NATIONAL PARK	1	0	0	0	0	0	0	0	3	4	8
LEDUC-STRATHCONA	4	1	2	6	2	5	8	18	27	81	154
LETHBRIDGE	9	0	0	3	1	4	5	16	36	110	184
MINBURN-VERMILION	4	0	0	1	3	3	2	12	12	64	101
MOUNT VIEW	4	2	1	1	1	1	7	13	18	57	105
NORTH EASTERN ALBERTA	2	1	0	3	5	3	5	9	19	59	106
PEACE RIVER	1	1	3	2	2	2	3	8	18	40	80
RED DEER REGIONAL	3	2	5	8	4	12	20	24	50	166	294
SOUTHEASTERN ALBERTA	2	0	3	4	2	6	8	15	53	127	220
SOUTH PEACE	1	0	2	3	0	5	7	17	19	60	114
STONY PLAIN-LAC STE. ANNE	8	4	1	3	3	4	10	18	14	37	102
STURGEON	3	1	3	3	3	9	7	24	27	105	185
VEGREVILLE	0	0	0	1	1	2	4	7	18	67	100
WETOKA	0	2	2	2	2	5	8	14	26	64	125
ALBERTA	133	26	35	101	108	186	305	607	995	3038	5534

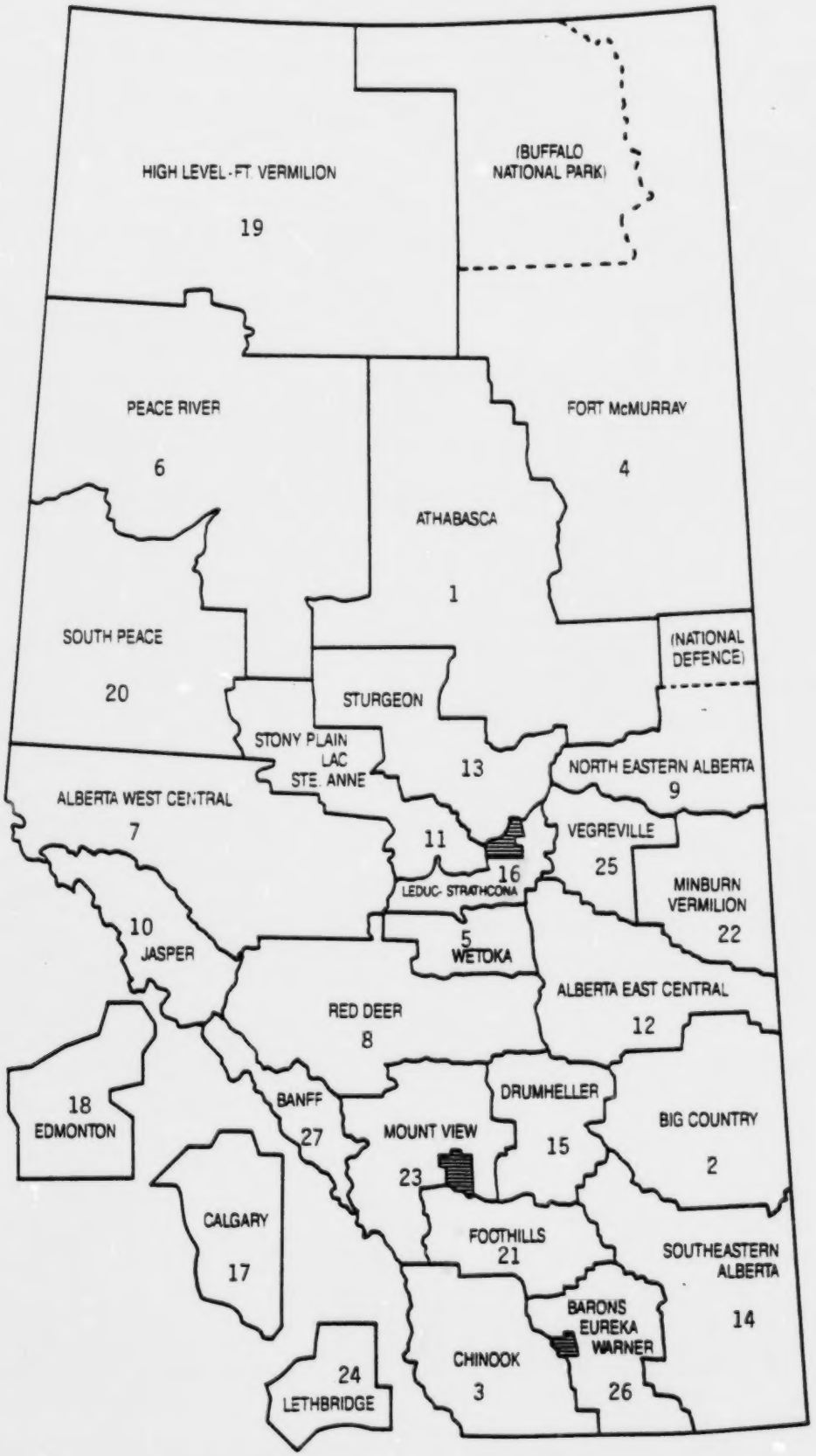
AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1987
ALL CAUSES

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	503	103	0	53	50	91	502	599	1745	6333
ALBERTA WEST CENTRAL	539	0	0	32	80	163	119	982	1418	7675
ATHABASCA	0	82	0	305	81	0	242	1337	962	9534
BANFF NATIONAL PARK	0	0	0	0	0	0	352	0	0	7059
BARONS-EUREKA-WARNER	0	0	0	33	0	126	360	460	1090	5824
BIG COUNTRY	0	0	0	0	113	0	610	511	2247	8683
CALGARY	648	20	15	34	43	101	281	698	1645	6352
CHINOOK	270	0	0	102	169	257	417	932	1570	7130
DRUMHELLER	1010	0	0	122	77	149	74	631	1484	6763
EDMONTON	841	22	20	42	45	146	329	685	1467	6193
FOOTHILLS	394	0	0	47	111	120	218	805	824	6464
FORT MCMURRAY	798	67	0	60	45	35	401	794	1429	8451
HIGH LEVEL-FORT VERMILION	922	0	0	0	0	0	0	1205	2679	4706
JASPER NATIONAL PARK	4545	0	0	0	0	0	0	0	3896	5333
LEDUC-STRATHCONA	511	29	21	78	22	53	171	651	1513	7239
LETHBRIDGE	2045	0	0	61	18	102	185	578	1420	5221
MINBURN-VERMILION	1176	0	0	33	91	126	133	869	876	5904
MOUNT VIEW	806	93	20	25	17	22	262	656	1161	6025
NORTH EASTERN ALBERTA	429	55	0	73	125	108	280	641	1734	6958
PEACE RIVER	263	69	87	67	63	89	190	679	2151	7130
RED DEER REGIONAL	273	49	54	80	35	155	397	579	1504	7437
SOUTHEASTERN ALBERTA	337	0	51	67	30	126	254	476	1896	6755
SOUTH PEACE	160	0	35	54	0	124	287	899	1406	5964
STONY PLAIN-LAC STE. ANNE	1391	161	16	67	49	79	383	987	1173	6218
STURGEON	383	30	35	43	36	117	166	856	1415	7133
VEGREVILLE	0	0	0	56	52	114	295	487	1250	5786
WETOKA	0	164	73	76	67	216	456	827	1849	6394
ALBERTA	645	32	20	51	45	113	291	697	1514	6431

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1987
ALL CAUSES

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	486	417	555	12	1.04	.
ALBERTA WEST CENTRAL	522	395	649	7	1.12	.
ATHABASCA	627	488	766	1	1.34	YES
BANFF NATIONAL PARK	313	79	547	27	0.67	.
BARONS-EUREKA-WARNER	382	300	465	26	0.82	.
BIG COUNTRY	586	415	758	2	1.25	.
CALGARY	465	440	489	17	0.99	.
CHINOOK	569	474	664	3	1.22	YES
DRUMHELLER	480	382	578	15	1.03	.
EDMONTON	464	440	488	18	0.99	.
FOOTHILLS	436	341	532	21	0.93	.
FORT MCMURRAY	554	258	849	4	1.18	.
HIGH LEVEL-FORT VERMILION	442	162	721	19	0.94	.
JASPER NATIONAL PARK	509	151	866	10	1.09	.
LEDUC-STRATHCONA	475	399	552	16	1.01	.
LETHBRIDGE	410	349	471	24	0.88	.
MINBURN-VERMILION	422	338	506	22	0.90	.
MOUNT VIEW	411	332	490	23	0.88	.
NORTH EASTERN ALBERTA	510	413	607	9	1.09	.
PEACE RIVER	530	413	646	6	1.13	.
RED DEER REGIONAL	517	457	576	8	1.10	.
SOUTHEASTERN ALBERTA	481	417	545	14	1.03	.
SOUTH PEACE	442	361	524	20	0.94	.
STONY PLAIN-LAC STE. ANNE	490	390	590	11	1.05	.
STURGEON	486	416	557	13	1.04	.
VEGREVILLE	398	316	480	25	0.85	.
WETOKA	538	443	633	5	1.15	.
ALBERTA	468	456	480			

HEALTH UNITS OF ALBERTA



ALL CAUSES, FEMALES, 1987

NUMBER OF FEMALE DEATHS, 1987
ALL CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	1	1	6	8	14	22	52
ALBERTA WEST CENTRAL	0	0	0	0	0	1	0	5	3	2	11
ATHABASCA	0	0	0	0	0	0	1	7	2	8	18
BANFF NATIONAL PARK	0	O	0	0	0	0	0	0	0	1	1
BARONS-EUREKA-WARNER	0	0	0	0	0	3	4	5	6	7	25
BIG COUNTRY	0	0	0	0	0	0	0	3	4	5	12
CALGARY	1	0	0	5	7	24	44	96	103	131	411
CHINOOK	0	0	0	1	2	3	4	7	11	10	38
DRUMHELLER	0	0	0	0	0	1	1	2	7	13	24
EDMONTON	0	0	0	1	4	22	44	72	94	128	365
FOOTHILLS	0	0	0	0	2	1	2	5	3	11	24
FORT MCMURRAY	0	0	0	0	0	0	1	2	1	1	5
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	1	0	1
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	1	0	1
LEDUC-STRATHCONA	0	0	0	1	1	2	5	8	9	15	41
LETHBRIDGE	0	0	0	0	0	1	4	9	19	19	52
MINBURN-VERMILION	0	0	0	0	0	2	0	8	7	5	22
MOUNT VIEW	0	0	1	0	0	0	5	5	10	9	30
NORTH EASTERN ALBERTA	0	0	0	1	1	2	3	6	9	8	30
PEACE RIVER	0	0	0	0	2	1	1	3	7	6	20
RED DEER REGIONAL	0	0	1	0	1	4	7	8	26	20	67
SOUTHEASTERN ALBERTA	0	0	1	1	1	2	6	6	18	13	48
SOUTH PEACE	D	0	0	0	0	1	6	6	5	5	23
STONY PLAIN-LAC STE. ANNE	0	1	0	0	1	1	1	10	7	7	28
STURGEON	0	1	0	0	2	4	6	14	14	12	53
VEGREVILLE	0	0	0	0	0	0	3	6	8	9	26
WETOKA	0	0	0	0	1	1	4	7	9	8	30
ALBERTA	1	2	3	10	26	77	158	308	398	475	1458

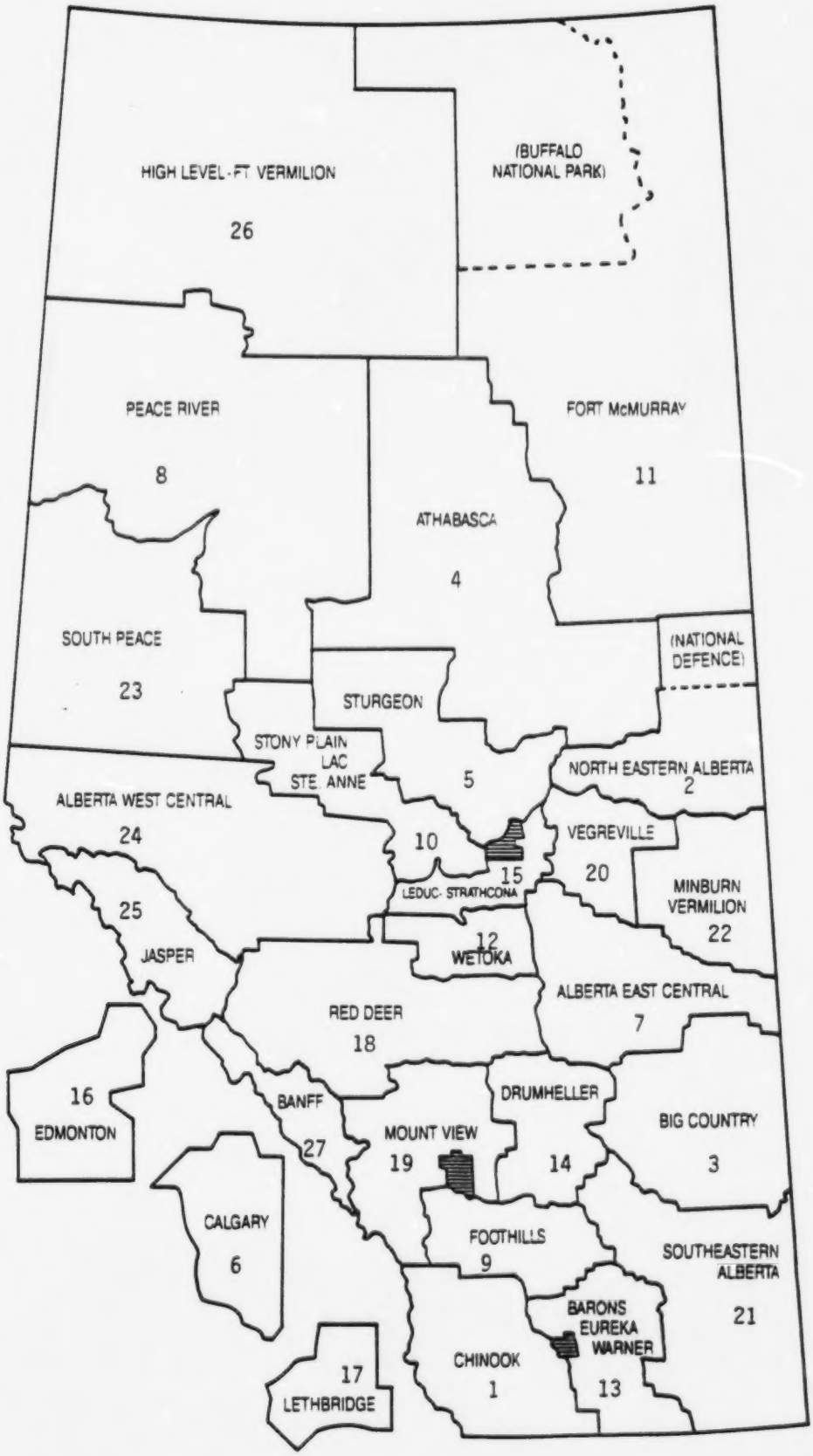
AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1987
ALL CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	75-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	25	30	251	319	555	1171
ALBERTA WEST CENTRAL	0	0	0	0	0	41	0	491	426	439
ATHABASCA	0	0	0	0	0	0	81	720	275	1695
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	1176
BARONS-EUREKA-WARNER	0	0	0	0	0	126	240	329	503	769
BIG COUNTRY	0	0	0	0	0	0	0	511	899	1497
CALGARY	19	0	0	9	10	51	151	409	647	1121
CHINOOK	0	0	0	34	67	128	239	408	691	870
DRUMHELLER	0	0	0	0	0	50	74	158	577	1570
EDMONTON	0	0	0	2	6	59	166	306	552	1031
FOOTHILLS	0	0	0	0	74	40	145	403	247	1394
FORT MCMURRAY	0	0	0	0	0	0	100	529	476	1408
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	893	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	1299	0
LEDUC-STRATHCONA	0	0	0	13	11	21	107	289	504	1340
LETHBRIDGE	0	0	0	0	0	26	148	325	749	902
MINBURN-VERMILION	0	0	0	0	0	84	0	579	511	461
MOUNT VIEW	0	0	20	0	0	0	187	252	645	951
NORTH EASTERN ALBERTA	0	0	0	24	25	72	168	427	821	943
PEACE RIVER	0	0	0	0	63	45	63	254	836	1070
RED DEER REGIONAL	0	0	11	0	9	52	139	193	782	896
SOUTHEASTERN ALBERTA	0	0	17	17	15	42	191	191	644	691
SOUTH PEACE	0	0	0	0	0	25	246	317	370	497
STONY PLAIN-LAC STE. ANNE	0	40	0	0	16	20	38	548	586	1176
STURGEON	0	30	0	0	24	52	142	499	734	815
VEGREVILLE	0	0	0	0	0	0	221	418	556	777
WETOKA	0	0	0	0	34	43	228	413	640	799
ALBERTA	5	2	2	5	11	47	151	354	606	1005

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1987
ALL CANCER

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	133	95	170	7	1.08	.
ALBERTA WEST CENTRAL	83	34	132	24	0.67	.
ATHABASCA	163	77	209	4	1.16	.
BANFF NATIONAL PARK	47	-45	139	27	0.38	.
BARONS-EUREKA-WARNER	122	74	170	13	0.99	.
BIG COUNTRY	167	64	231	3	1.20	.
CALGARY	135	122	168	6	1.10	.
CHINOOK	161	109	214	1	1.31	.
DRUMHELLER	120	72	168	14	0.98	.
EDMONTON	119	107	131	16	0.97	.
FOOTHILLS	132	79	186	9	1.07	.
FORT MCMURRAY	131	-4	265	11	1.07	.
HIGH LEVEL-FORT VERMILION	50	-48	147	26	0.41	.
JASPER NATIONAL PARK	72	-69	214	25	0.59	.
LEDUC-STRATHCONA	120	82	157	15	0.98	.
LETHBRIDGE	118	86	151	17	0.96	.
MINBURN-VERMILION	101	58	144	22	0.82	.
MOUNT VIEW	112	72	152	19	0.91	.
NORTH EASTERN ALBERTA	169	96	202	2	1.21	.
PEACE RIVER	133	74	191	8	1.08	.
RED DEER REGIONAL	116	88	144	18	0.94	.
SOUTHEASTERN ALBERTA	109	77	160	21	0.89	.
SOUTH PEACE	89	53	125	23	0.72	.
STONY PLAIN-LAC STE. ANNE	132	82	183	10	1.07	.
STURGEON	137	100	174	5	1.11	.
VEGREVILLE	112	68	157	20	0.91	.
WETOKA	131	84	178	12	1.07	.
ALBERTA	123	117	130			

HEALTH UNITS OF ALBERTA



ALL CANCER, FEMALES, 1987

NUMBER OF FEMALE DEATHS, 1987
COLON CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	1	1	2	4
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	0	0	0
ATHABASCA	0	0	0	0	0	0	0	1	1	1	3
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	2	0	0	1	1	4
BIG COUNTRY	0	0	0	0	0	0	0	1	0	0	1
CALGARY	0	0	0	0	0	0	2	9	15	21	47
CHINOOK	0	0	0	0	0	0	0	0	1	2	3
DRUMHELLER	0	0	0	0	0	0	0	0	0	3	3
EDMONTON	0	0	0	0	0	1	2	8	13	17	41
FOOTHILLS	0	0	0	0	0	0	0	0	1	4	5
FORT MCMURRAY	0	0	0	0	0	0	0	1	0	0	1
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	1	1	1	1	5	9
LETHBRIDGE	0	0	0	0	0	0	0	2	2	4	8
MINBURN-VERMILION	0	0	0	0	0	0	0	0	0	3	3
MOUNT VIEW	0	0	0	0	0	0	0	0	2	2	4
NORTH EASTERN ALBERTA	0	0	0	0	0	0	1	0	0	0	1
PEACE RIVER	0	0	0	0	0	0	0	0	0	3	3
RED DEER REGIONAL	0	0	0	0	0	1	0	0	2	0	3
SOUTHEASTERN ALBERTA	0	0	0	0	0	1	0	3	2	0	6
SOUTH PEACE	0	0	0	0	0	0	2	1	1	2	6
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	1	1	1	3
STURGEON	0	0	0	0	0	0	0	2	2	6	10
VEGREVILLE	0	0	0	0	0	0	0	1	0	0	1
WETOKA	0	0	0	0	0	1	1	1	1	1	5
ALBERTA	0	0	0	0	0	7	9	33	47	78	174

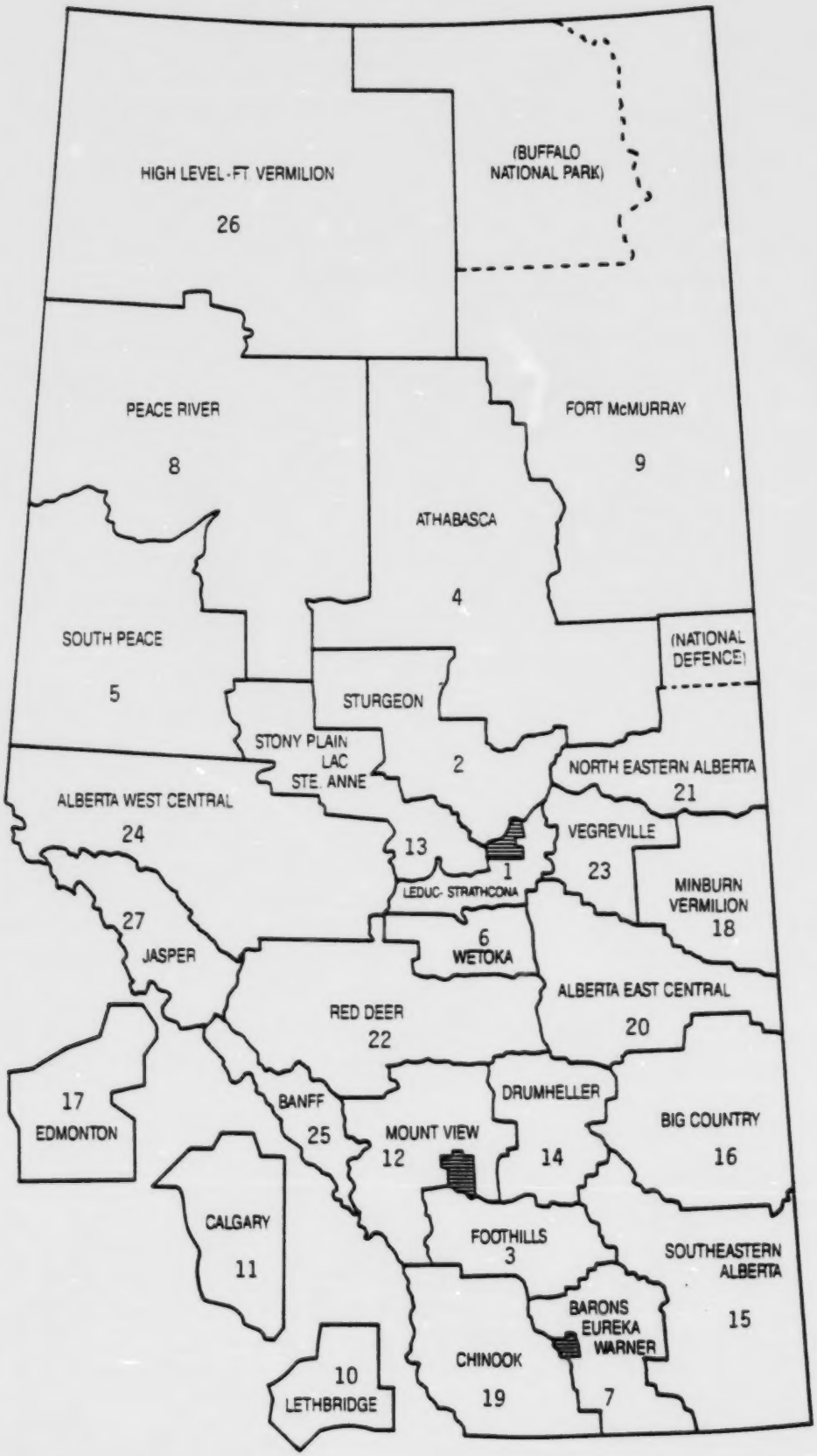
AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1987
COLON CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	40	40	106
ALBERTA WEST CENTRAL	O	O	0	0	0	0	0	0	0	0
ATHABASCA	0	0	0	0	0	0	0	103	137	212
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	84	0	0	84	110
BIG COUNTRY	0	0	0	0	0	0	0	170	0	0
CALGARY	0	0	0	0	0	0	7	38	94	180
CHINOOK	0	0	0	0	0	0	0	0	63	174
DRUMHELLER	0	0	0	0	0	0	0	0	0	362
EDMONTON	0	0	0	0	0	3	8	34	76	137
FOOTHILLS	0	0	0	0	0	0	0	0	82	507
FORT MCMURRAY	0	0	0	0	0	0	0	265	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	11	21	36	56	447
LETHBRIDGE	0	0	0	0	0	0	0	72	79	190
MINBURN-VERMILION	0	0	0	0	0	0	0	0	0	277
MOUNT VIEW	0	0	0	0	0	0	0	0	129	211
NORTH EASTERN ALBERTA	0	0	0	0	0	0	56	0	0	0
PEACE RIVER	0	0	0	0	0	0	0	0	0	535
RED DEER REGIONAL	0	0	0	0	0	13	0	0	60	0
SOUTHEASTERN ALBERTA	0	0	0	0	0	21	0	95	72	0
SOUTH PEACE	0	0	0	0	0	0	82	53	74	199
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	55	84	168
STURGEON	0	0	0	0	0	0	0	71	105	408
VEGREVILLE	0	0	0	0	0	0	0	70	0	0
WETOKA	0	0	0	0	0	43	57	59	71	100
ALBERTA	**0**	**0**	**0**	**0**	**0**	**4**	**9**	**38**	**72**	**165**

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1987

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	9	0	19	20	0.60	.
ALBERTA WEST CENTRAL	0	0	0	24	0.00	.
ATHABASCA	24	-3	51	4	1.60	.
BANFF NATIONAL PARK	0	0	0	25	0.00	.
BARONS-EUREKA-WARNER	21	0	41	7	1.40	.
BIG COUNTRY	13	-12	37	16	0.87	.
CALGARY	16	11	20	11	1.07	.
CHINOOK	10	-1	22	19	0.67	.
DRUMHELLER	14	-2	31	14	0.93	.
EDMONTON	13	9	17	17	0.87	.
FOOTHILLS	25	3	47	3	1.67	.
FORT MCMURRAY	19	-19	58	9	1.27	.
HIGH LEVEL-FORT VERMILION	0	0	0	26	0.00	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRATHCONA	27	9	45	1	1.80	.
LETHBRIDGE	17	5	29	10	1.13	.
MINBURN-VERMILION	11	-1	24	18	0.73	.
MOUNT VIEW	16	0	31	12	1.07	.
NORTH EASTERN ALBERTA	5	-5	15	21	0.33	.
PEACE RIVER	21	-3	46	8	1.40	.
RED DEER REGIONAL	5	-1	11	22	0.33	.
SOUTHEASTERN ALBERTA	14	3	25	15	0.93	.
SOUTH PEACE	23	5	42	5	1.53	.
STONY PLAIN-LAC STE. ANNE	15	-2	33	13	1.00	.
STURGEON	27	10	44	2	1.80	.
VEGREVILLE	5	-5	15	23	0.33	.
WETOKA	23	3	44	6	1.53	.
ALBERTA	15	13	17			

HEALTH UNITS OF ALBERTA



NUMBER OF FEMALE DEATHS, 1987
LUNG CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	1	1	1	0	3
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	3	1	1	5
ATHABASCA	0	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	3	1	4
BIG COUNTRY	0	0	0	0	0	0	0	1	2	0	3
CALGARY	0	0	0	0	0	1	11	17	20	14	63
CHINOOK	0	0	0	0	0	0	1	0	1	0	2
DRUMHELLER	0	0	0	0	0	0	0	1	1	1	3
EDMONTON	0	0	0	0	0	1	10	15	19	13	58
FOOTHILLS	0	0	0	0	0	0	0	0	1	0	1
FORT MCMURRAY	0	0	0	0	0	0	1	0	0	1	2
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	1	0	1
LEDUC-STRATHCONA	0	0	0	0	0	0	0	3	2	1	6
LETHBRIDGE	0	0	0	0	0	0	0	2	4	2	8
MINBURN-VERMILION	0	0	0	0	0	0	0	0	2	0	2
MOUNT VIEW	0	0	0	0	0	0	0	1	2	2	5
NORTH EASTERN ALBERTA	0	0	0	0	0	1	0	2	0	1	4
PEACE RIVER	0	0	0	0	0	0	0	1	2	0	3
RED DEER REGIONAL	0	0	0	0	0	1	1	1	4	2	9
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	2	0	4	2	8
SOUTH PEACE	0	0	0	0	0	0	2	0	1	1	4
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	1	1	3	0	1	6
STURGEON	0	0	0	0	0	0	2	4	2	0	8
VEGREVILLE	0	0	0	0	0	0	0	0	1	1	2
WETOKA	0	0	0	0	0	0	0	2	0	0	2
ALBERTA	0	0	0	0	0	5	32	57	74	44	212

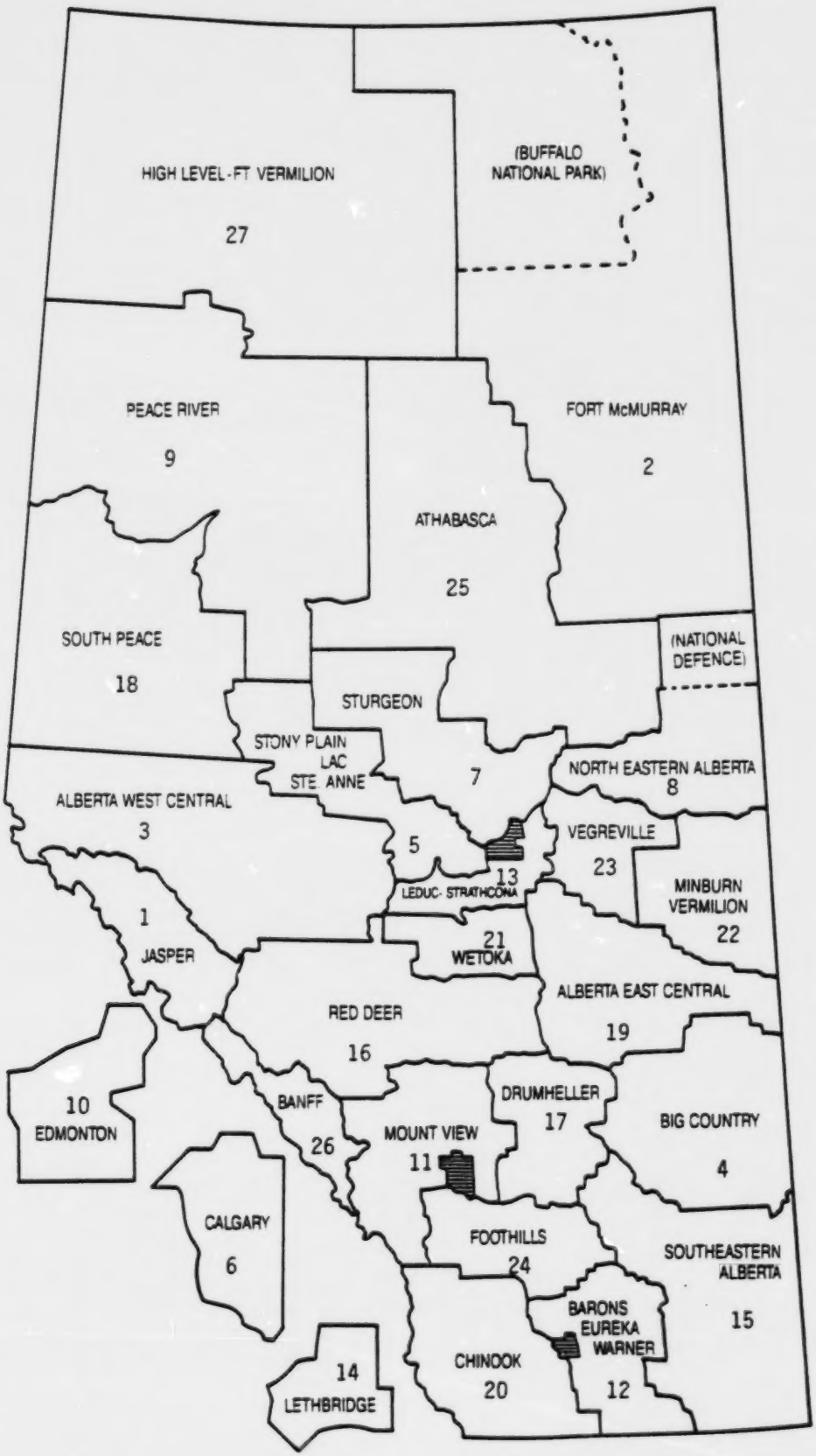
AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1987
LUNG CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	42	40	40	0
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	295	142	219
ATHABASCA	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	251	110
BIG COUNTRY	0	0	0	0	0	0	0	170	449	0
CALGARY	0	0	0	0	0	2	38	72	126	120
CHINOOK	0	0	0	0	0	0	60	0	63	0
DRUMHELLER	0	0	0	0	0	0	0	79	82	121
EDMONTON	0	0	0	0	0	3	38	64	112	105
FOOTHILLS	0	0	0	0	0	0	0	0	82	0
FORT MCMURRAY	0	0	0	0	0	0	100	0	0	1408
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	1299	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	108	112	89
LETHBRIDGE	0	0	0	0	0	0	0	72	158	95
MINBURN-VERMILION	0	0	0	0	0	0	0	0	146	0
MOUNT VIEW	0	0	0	0	0	0	0	50	129	211
NORTH EASTERN ALBERTA	0	0	0	0	0	36	0	142	0	118
PEACE RIVER	0	0	0	0	0	0	0	85	239	0
RED DEER REGIONAL	0	0	0	0	0	13	20	24	120	90
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	64	0	143	106
SOUTH PEACE	0	0	0	0	0	0	82	0	74	99
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	20	38	164	0	168
STURGEON	0	0	0	0	0	0	47	143	105	0
VEGREVILLE	0	0	0	0	0	0	0	0	69	86
WETOKA	0	0	0	0	0	0	0	118	0	0
ALBERTA	0	0	0	0	0	3	31	65	113	93

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1987
LUNG CANCER

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	9	-1	19	19	0.50	.
ALBERTA WEST CENTRAL	38	5	72	3	2.11	.
ATHABASCA	0	0	0	25	0.00	.
BANFF NATIONAL PARK	0	0	0	26	0.00	.
BARONS-EUREKA-WARNER	18	0	36	12	1.00	.
BIG COUNTRY	38	-5	80	4	2.11	.
CALGARY	21	16	26	6	1.17	.
CHINOOK	9	-4	21	20	0.50	.
DRUMHELLER	15	-2	33	17	0.83	.
EDMONTON	19	14	24	10	1.06	.
FOOTHILLS	5	-4	14	24	0.28	.
FORT MCMURRAY	65	-46	177	2	3.61	.
HIGH LEVEL-FORT VERMILION	0	0	0	27	0.00	.
JASPER NATIONAL PARK	72	-69	214	1	4.00	.
LEDUC-STRATHCONA	18	3	32	13	1.00	.
LETHBRIDGE	18	5	30	14	1.00	.
MINBURN-VERMILION	8	-3	19	22	0.44	.
MOUNT VIEW	19	2	36	11	1.06	.
NORTH EASTERN ALBERTA	20	0	40	8	1.11	.
PEACE RIVER	20	-3	42	9	1.11	.
RED DEER REGIONAL	16	5	26	16	0.89	.
SOUTHEASTERN ALBERTA	18	5	30	15	1.00	.
SOUTH PEACE	15	0	30	18	0.83	.
STONY PLAIN-LAC STE. ANNE	25	4	46	5	1.39	.
STURGEON	21	6	35	7	1.17	.
VEGREVILLE	7	-3	17	23	0.39	.
WETOKA	9	-3	21	21	0.50	.
ALBERTA	18	16	20			

HEALTH UNITS OF ALBERTA



LUNG CANCER, FEMALES, 1987

NUMBER OF FEMALE DEATHS, 1987
DIABETES MELLITUS

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	0	2	2
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	0	1	1
ATHABASCA	0	0	0	0	0	0	0	0	2	1	3
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	2	2
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	0	0	1	0	4	3	8	16
CHINOOK	0	0	0	0	0	0	0	0	0	2	2
DRUMHELLER	0	0	0	0	0	0	0	1	0	2	3
EDMONTON	0	0	0	0	1	0	2	3	6	17	29
FOOTHILLS	0	0	0	0	0	0	0	2	1	2	5
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	1	1
LEDUC-STRATHCONA	0	0	0	0	0	1	0	0	0	5	6
LETHBRIDGE	0	0	0	0	0	1	0	0	0	0	1
MINBURN-VERMILION	0	0	0	0	0	0	0	0	0	0	0
MOUNT VIEW	0	0	0	0	0	0	0	0	0	3	3
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	1	1
PEACE RIVER	0	0	0	0	0	0	0	1	0	3	4
RED DEER REGIONAL	0	0	0	0	0	0	0	0	0	2	2
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	0	1	0	3	4
SOUTH PEACE	0	0	0	0	0	0	0	0	1	3	4
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	0	1	1
STURGEON	0	0	0	0	0	0	0	0	1	4	5
VEGREVILLE	0	0	0	0	0	0	0	0	1	3	4
WETOKA	0	0	0	0	0	0	0	0	0	1	1
ALBERTA	**0**	**0**	**0**	**0**	**1**	**3**	**2**	**12**	**15**	**67**	**100**

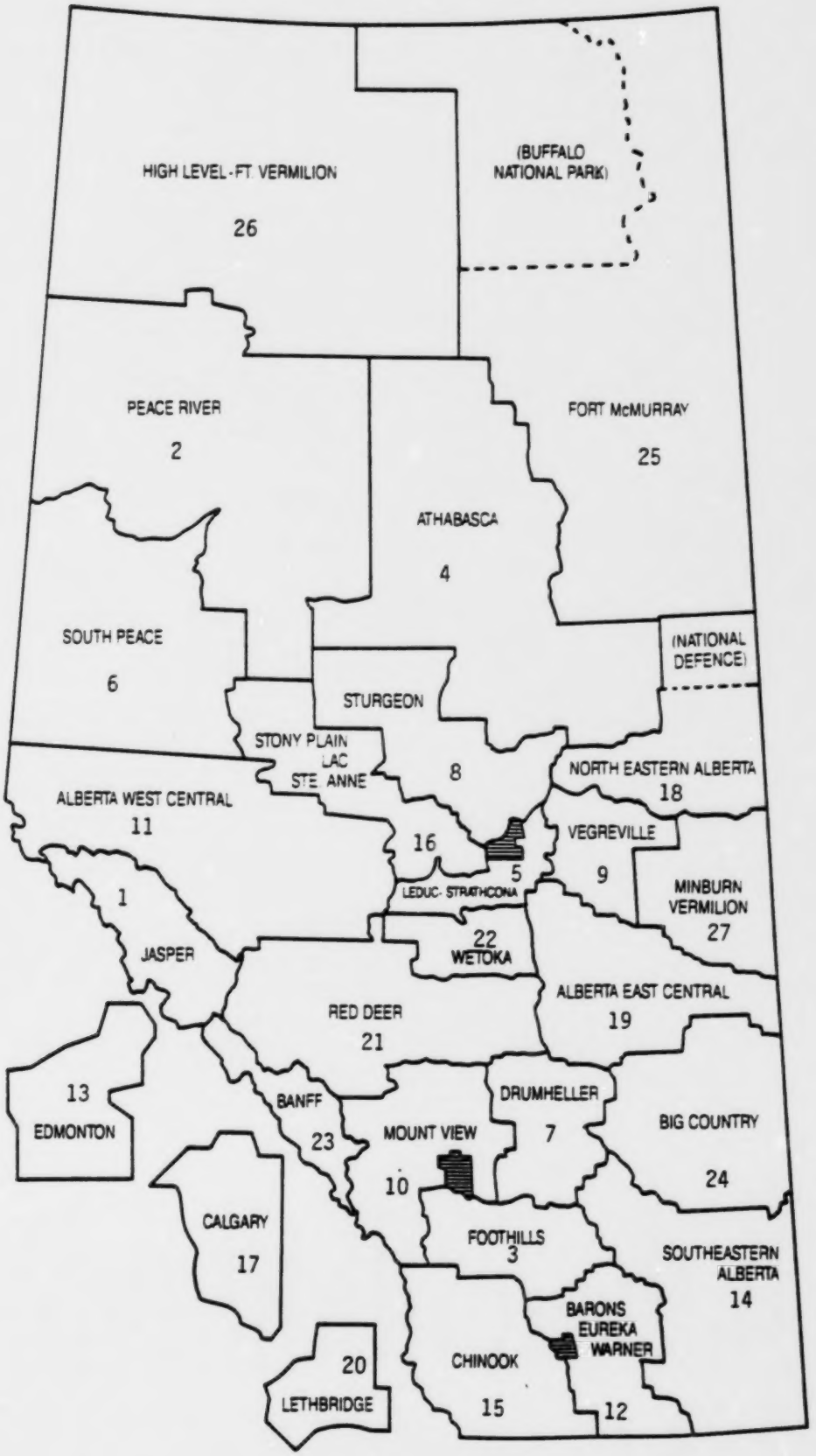
AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1987
DIABETES MELLITUS

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	0	106
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	0	219
ATHABASCA	0	0	0	0	0	0	0	0	275	212
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	220
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	0	0	2	0	17	19	68
CHINOOK	0	0	0	0	0	0	0	0	0	174
DRUMHELLER	0	0	0	0	0	0	0	79	0	242
EDMONTON	0	0	0	0	2	0	8	13	35	137
FOOTHILLS	0	0	0	0	0	0	0	161	82	253
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	1333
LEDUC-STRATHCONA	0	0	0	0	0	11	0	0	0	447
LETHBRIDGE	0	0	0	0	0	26	0	0	0	0
MINBURN-VERMILION	0	0	0	0	0	0	0	0	0	0
MOUNT VIEW	0	0	0	0	0	0	0	0	0	317
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	118
PEACE RIVER	0	0	0	0	0	0	0	85	0	535
RED DEER REGIONAL	0	0	0	0	0	0	0	0	0	90
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	0	32	0	160
SOUTH PEACE	0	0	0	0	0	0	0	0	74	298
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	0	168
STURGEON	0	0	0	0	0	0	0	0	52	272
VEGREVILLE	0	0	0	0	0	0	0	0	69	259
WETOKA	0	0	0	0	0	0	0	0	0	100
ALBERTA	0	0	0	0	0	2	2	14	23	142

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1987
DIABETES MELLITUS

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	4	-2	10	19	0.50	.
ALBERTA WEST CENTRAL	9	-8	26	11	1.13	.
ATHABASCA	24	-3	51	4	3.00	.
BANFF NATIONAL PARK	0	0	0	23	0.00	.
BARONS-EUREKA-WARNER	9	-3	21	12	1.13	.
BIG COUNTRY	0	0	0	24	0.00	.
CALGARY	5	3	8	17	0.63	.
CHINOOK	7	-3	17	15	0.88	.
DRUMHELLER	15	-2	33	7	1.88	.
EDMONTON	9	6	13	13	1.13	.
FOOTHILLS	27	3	50	3	3.38	.
FORT MCMURRAY	0	0	0	25	0.00	.
HIGH LEVEL-FORT VERMILION	0	0	0	26	0.00	.
JASPER NATIONAL PARK	53	-51	158	1	6.63	.
LEDUC-STRATHCONA	19	3	35	5	2.38	.
LETHBRIDGE	4	-3	11	20	0.50	.
MINBURN-VERMILION	0	0	0	27	0.00	.
MOUNT VIEW	13	-2	27	10	1.63	.
NORTH EASTERN ALBERTA	5	-5	14	18	0.63	.
PEACE RIVER	28	1	55	2	3.50	.
RED DEER REGIONAL	4	-1	9	21	0.50	.
SOUTHEASTERN ALBERTA	9	0	17	14	1.13	.
SOUTH PEACE	16	0	32	6	2.00	.
STONY PLAIN-LAC STE. ANNE	7	-6	20	16	0.88	.
STURGEON	14	2	26	8	1.75	.
VEGREVILLE	14	0	28	9	1.75	.
WETOKA	4	-4	12	22	0.50	.
ALBERTA	8	7	10			

HEALTH UNITS OF ALBERTA



DIABETES MELLITUS, FEMALES, 1987

NUMBER OF FEMALE DEATHS, 1987
ISCHEMIC HEART DISEASE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	2	4	9	37	52
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	1	12	13
ATHABASCA	0	0	0	0	0	0	1	3	0	11	15
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	1	1
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	1	1	13	15
BIG COUNTRY	0	0	0	0	0	0	0	0	3	9	12
CALGARY	0	0	0	0	0	1	8	21	61	146	237
CHINOOK	0	0	0	0	0	0	0	3	8	15	26
DRUMHELLER	0	0	0	0	0	0	0	2	2	13	17
EDMONTON	0	0	0	0	0	2	6	27	53	211	299
FOOTHILLS	0	0	0	0	0	0	0	1	4	11	16
FORT MCMURRAY	0	0	0	0	0	0	0	0	1	4	5
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	2	2	4
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	1	1	2
LEDUC-STRATHCONA	0	0	0	0	0	0	0	2	8	26	36
LETHBRIDGE	0	0	0	0	0	0	0	4	8	30	42
MINBURN-VERMILION	0	0	0	1	0	0	0	1	3	23	28
MOUNT VIEW	0	0	0	0	0	0	1	1	2	19	23
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	2	5	17	24
PEACE RIVER	0	0	0	0	0	0	0	0	3	7	10
RED DEER REGIONAL	0	0	0	0	0	0	0	3	7	47	57
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	1	5	18	45	69
SOUTH PEACE	0	0	0	0	0	0	0	3	5	22	30
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	2	3	4	12	21
STURGEON	0	0	0	1	0	0	0	3	4	35	43
VEGREVILLE	0	0	0	0	0	1	0	0	4	27	32
WETOKA	0	0	0	0	0	0	1	6	4	17	26
ALBERTA	**0**	**0**	**0**	**2**	**0**	**4**	**22**	**93**	**221**	**813**	**1155**

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1987
ISCHEMIC HEART DISEASE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	84	160	357	1969
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	142	2632
ATHABASCA	0	0	0	0	0	0	81	309	0	2331
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	1176
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	66	84	1429
BIG COUNTRY	0	0	0	0	0	0	0	0	674	2695
CALGARY	0	0	0	0	0	2	27	89	383	1250
CHINOOK	0	0	0	0	0	0	0	175	503	1304
DRUMHELLER	0	0	0	0	0	0	0	158	165	1570
EDMONTON	0	0	0	0	0	5	23	115	311	1699
FOOTHILLS	0	0	0	0	0	0	0	81	329	1394
FORT MCMURRAY	0	0	0	0	0	0	0	0	476	5634
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	1786	2353
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	1299	1333
LEDUC-STRATHCONA	0	0	0	0	0	0	0	72	448	2324
LETHBRIDGE	0	0	0	0	0	0	0	144	315	1424
MINBURN-VERMILION	0	0	0	33	0	0	0	72	219	2122
MOUNT VIEW	0	0	0	0	0	0	37	50	129	2008
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	142	456	2005
PEACE RIVER	0	0	0	0	0	0	0	0	358	1248
RED DEER REGIONAL	0	0	0	0	0	0	0	72	211	2106
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	32	159	644	2394
SOUTH PEACE	0	0	0	0	0	0	0	159	370	2187
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	77	164	335	2017
STURGEON	0	0	0	16	0	0	0	107	210	2378
VEGREVILLE	0	0	0	0	0	57	0	0	278	2332
WETOKA	0	0	0	0	0	0	57	236	284	1698
ALBERTA	0	0	0	1	0	2	21	107	336	1721

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1987
ISCHEMIC HEART DISEASE

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	118	85	150	9	1.20	.
ALBERTA WEST CENTRAL	113	52	174	14	1.15	.
ATHABASCA	123	61	185	6	1.26	.
BANFF NATIONAL PARK	47	-45	139	27	0.48	.
BARONS-EUREKA-WARNER	67	33	100	26	0.68	.
BIG COUNTRY	145	63	227	4	1.48	.
CALGARY	81	70	91	23	0.83	.
CHINOOK	93	57	129	20	0.95	.
DRUMHELLER	84	44	123	22	0.86	.
EDMONTON	96	85	107	18	0.98	.
FOOTHILLS	80	41	119	24	0.82	.
FORT MCMURRAY	252	25	478	1	2.57	.
HIGH LEVEL-FORT VERMILION	193	4	383	2	1.97	.
JASPER NATIONAL PARK	125	-50	301	5	1.28	.
LEDUC-STRATHCONA	123	83	163	7	1.26	.
LETHBRIDGE	85	59	111	21	0.87	.
MINBURN-VERMILION	108	68	148	15	1.10	.
MOUNT VIEW	94	56	133	19	0.96	.
NORTH EASTERN ALBERTA	116	70	162	13	1.18	.
PEACE RIVER	70	27	113	25	0.71	.
RED DEER REGIONAL	101	75	127	17	1.03	.
SOUTHEASTERN ALBERTA	146	111	180	3	1.49	YES
SOUTH PEACE	120	77	162	8	1.22	.
STONY PLAIN-LAC STE. ANNE	118	66	170	10	1.20	.
STURGEON	117	82	152	11	1.19	.
VEGREVILLE	117	75	158	12	1.19	.
WETOKA	106	65	147	16	1.08	.
ALBERTA	98	92	103			

HEALTH UNITS OF ALBERTA

NUMBER OF FEMALE DEATHS, 1987
CEREBROVASCULAR DISEASE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	1	0	3	9	13
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	1	2	4	7
ATHABASCA	0	0	0	0	0	0	0	0	1	9	10
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	1	1
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	1	14	15
BIG COUNTRY	0	0	0	0	0	0	1	0	1	4	6
CALGARY	0	0	0	0	0	1	6	6	18	109	140
CHINOOK	0	0	0	0	0	0	1	1	2	17	21
DRUMHELLER	0	0	0	0	0	0	0	0	3	11	14
EDMONTON	0	0	0	0	0	1	6	11	15	110	143
FOOTHILLS	0	0	0	0	0	1	0	0	1	5	7
FORT MCMURRAY	0	0	0	0	1	0	1	0	0	0	2
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	1	0	0	1
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	1	1
LEDUC-STRATHCONA	0	0	0	0	0	1	0	2	2	8	13
LETHBRIDGE	0	0	0	0	0	0	0	0	3	15	18
MINBURN-VERMILION	0	0	0	0	0	0	0	0	1	7	8
MOUNT VIEW	0	0	0	0	0	0	0	0	1	6	7
NORTH EASTERN ALBERTA	0	0	0	0	0	0	1	0	2	6	9
PEACE RIVER	0	0	0	0	0	0	0	1	2	5	8
RED DEER REGIONAL	0	0	0	0	0	0	0	1	2	31	34
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	0	1	3	17	21
SOUTH PEACE	0	0	0	0	0	0	0	2	2	8	12
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	1	1	2	1	5	10
STURGEON	0	0	0	0	0	1	0	1	1	15	18
VEGREVILLE	0	0	0	0	0	0	0	0	1	7	8
WETOKA	0	0	0	0	0	1	0	2	6	9	18
ALBERTA	0	0	0	0	1	7	18	32	74	433	565

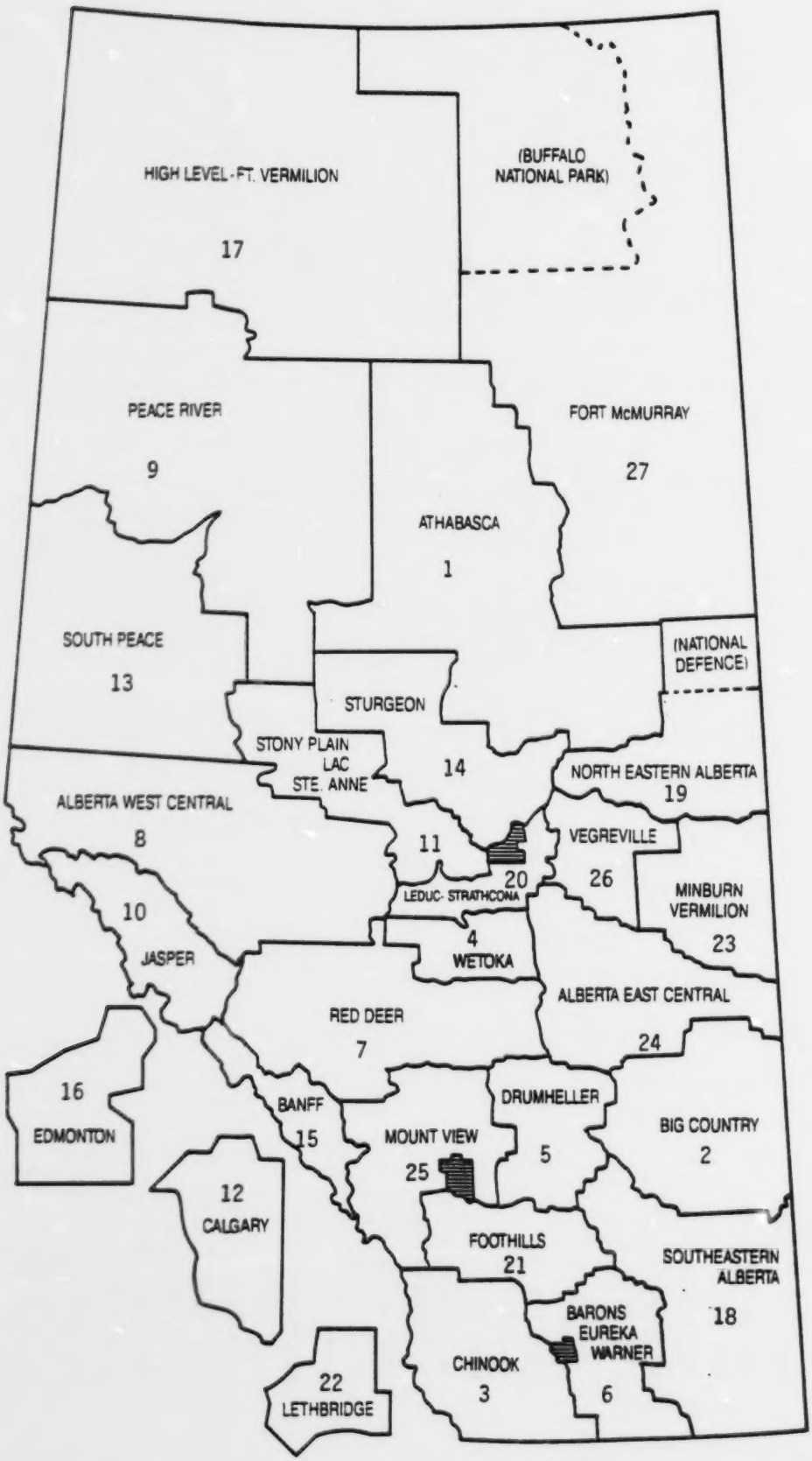
AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1987
CEREBROVASCULAR DISEASE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	42	0	119	479
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	98	284	877
ATHABASCA	0	0	0	0	0	0	0	0	137	1907
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	1176
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	84	1538
BIG COUNTRY	0	0	0	0	0	0	203	0	225	1198
CALGARY	0	0	0	0	0	2	21	26	113	933
CHINOOK	0	0	0	0	0	0	60	58	126	1478
DRUMHELLER	0	0	0	0	0	0	0	0	247	1329
EDMONTON	0	0	0	0	0	3	23	47	88	886
FOOTHILLS	0	0	0	0	0	40	0	0	82	634
FORT MCMURRAY	0	0	0	0	23	0	100	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	602	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	1333
LEDUC-STRATHCONA	0	0	0	0	0	11	0	72	112	715
LETHBRIDGE	0	0	0	0	0	0	0	0	118	712
MINBURN-VERMILION	0	0	0	0	0	0	0	0	73	646
MOUNT VIEW	0	0	0	0	0	0	0	0	65	634
NORTH EASTERN ALBERTA	0	0	0	0	0	0	56	0	182	708
PEACE RIVER	0	0	0	0	0	0	0	85	239	891
RED DEER REGIONAL	0	0	0	0	0	0	0	24	60	1389
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	0	32	107	904
SOUTH PEACE	0	0	0	0	0	0	0	106	148	795
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	20	38	110	84	840
STURGEON	0	0	0	0	0	13	0	36	52	1019
VEGREVILLE	0	0	0	0	0	0	0	0	69	604
WETOKA	0	0	0	0	0	43	0	118	427	899
ALBERTA	0	0	0	0	0	4	17	37	113	917

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1987
CEREBROVASCULAR DISEASE

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	29	13	46	24	0.60	.
ALBERTA WEST CENTRAL	58	15	101	8	1.21	.
ATHABASCA	84	32	136	1	1.75	.
BANFF NATIONAL PARK	47	-45	139	15	0.98	.
BARONS-EUREKA-WARNER	66	33	100	6	1.38	.
BIG COUNTRY	78	15	142	2	1.63	.
CALGARY	48	40	55	12	1.00	.
CHINOOK	76	43	108	3	1.58	YES
DRUMHELLER	67	32	102	5	1.40	.
EDMONTON	46	39	54	16	0.96	.
FOOTHILLS	35	9	62	21	0.73	.
FORT MCMURRAY	13	-6	33	27	0.27	.
HIGH LEVEL-FORT VERMILION	44	-43	131	17	0.92	.
JASPER NATIONAL PARK	53	-51	158	10	1.10	.
LEDUC-STRATHCONA	42	19	65	20	0.88	.
LETHBRIDGE	35	19	51	22	0.73	.
MINBURN-VERMILION	30	9	51	23	0.63	.
MOUNT VIEW	29	7	50	25	0.60	.
NORTH EASTERN ALBERTA	43	15	72	19	0.90	.
PEACE RIVER	55	17	93	9	1.15	.
RED DEER REGIONAL	61	40	81	7	1.27	.
SOUTHEASTERN ALBERTA	44	25	63	18	0.92	.
SOUTH PEACE	48	21	75	13	1.00	.
STONY PLAIN-LAC STE. ANNE	52	19	86	11	1.08	.
STURGEON	48	26	70	14	1.00	.
VEGREVILLE	28	9	47	26	0.58	.
WETOKA	74	40	109	4	1.54	.
ALBERTA	48	44	52			

HEALTH UNITS OF ALBERTA



NUMBER OF FEMALE DEATHS, 1987
PNEUMONIA

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	1	8	9
ALBERTA WEST CENTRAL	0	0	0	0	0	1	1	0	0	9	11
ATHABASCA	0	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	1	1
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	1	1
BIG COUNTRY	0	0	0	0	0	0	0	0	0	4	4
CALGARY	1	0	0	0	0	2	0	2	8	44	57
CHINOOK	0	0	0	0	0	1	0	0	0	7	8
DRUMHELLER	0	0	0	0	0	0	0	0	0	2	2
EDMONTON	1	0	0	0	0	1	0	1	4	37	44
FOOTHILLS	0	0	0	0	0	1	0	0	0	1	2
FORT MCMURRAY	0	0	0	0	1	0	0	0	0	0	1
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	1	1
JASPER NATIONAL PARK	1	0	0	0	0	0	0	0	0	0	1
LEDUC-STRATHCONA	0	0	0	0	0	1	0	0	1	2	4
LETHBRIDGE	0	0	0	0	0	0	0	1	0	6	7
MINBURN-VERMILION	0	0	0	0	0	0	0	0	0	3	3
MOUNT VIEW	0	0	0	0	0	0	0	1	0	1	2
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	3	3
PEACE RIVER	0	0	0	0	0	0	0	0	0	5	5
RED DEER REGIONAL	0	0	0	0	0	0	2	0	0	14	16
SOUTHEASTERN ALBERTA	0	0	1	0	0	0	0	0	1	4	6
SOUTH PEACE	0	0	0	0	0	0	0	0	0	2	2
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	0	2	2
STURGEON	0	0	0	0	0	0	0	0	1	5	6
VEGREVILLE	0	0	0	0	0	0	0	0	0	3	3
WETOKA	0	0	0	0	0	0	0	0	1	3	4
ALBERTA	**3**	**0**	**1**	**0**	**1**	**7**	**3**	**5**	**17**	**168**	**205**

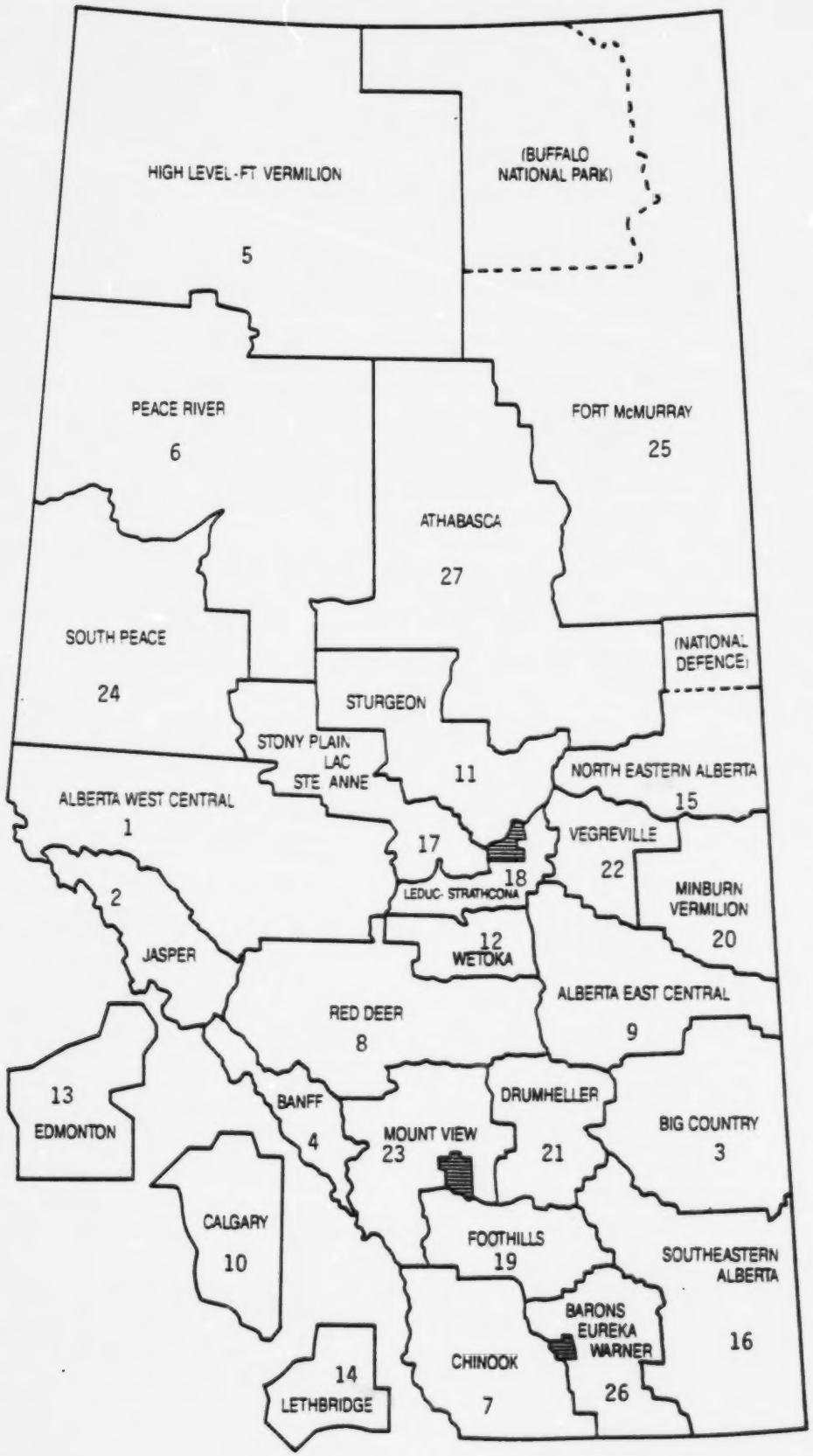
AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1987
PNEUMONIA

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	40	426
ALBERTA WEST CENTRAL	0	0	0	0	0	41	59	0	0	1974
ATHABASCA	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	1176
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	110
BIG COUNTRY	0	0	0	0	0	0	0	0	0	1198
CALGARY	19	0	0	0	0	4	0	9	50	377
CHINOOK	0	0	0	0	0	43	0	0	0	609
DRUMHELLER	0	0	0	0	0	0	0	0	0	242
EDMONTON	20	0	0	0	0	3	0	4	23	298
FOOTHILLS	0	0	0	0	0	40	0	0	0	127
FORT MCMURRAY	0	0	0	0	23	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	1176
JASPER NATIONAL PARK	4545	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	11	0	0	56	179
LETHBRIDGE	0	0	0	0	0	0	0	36	0	285
MINBURN-VERMILION	0	0	0	0	0	0	0	0	0	277
MOUNT VIEW	0	0	0	0	0	0	0	50	0	106
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	354
PEACE RIVER	0	0	0	0	0	0	0	0	0	891
RED DEER REGIONAL	0	0	0	0	0	0	40	0	0	627
SOUTHEASTERN ALBERTA	0	0	17	0	0	0	0	0	36	213
SOUTH PEACE	0	0	0	0	0	0	0	0	0	199
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	0	336
STURGEON	0	0	0	0	0	0	0	0	52	340
VEGREVILLE	0	0	0	0	0	0	0	0	0	259
WETOKA	0	0	0	0	0	0	0	0	71	300
ALBERTA	15	0	1	0	0	4	3	6	26	356

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1987
PNEUMONIA

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	19	7	32	9	1.12	.
ALBERTA WEST CENTRAL	90	36	144	1	5.29	YES
ATHABASCA	0	0	0	27	0.00	.
BANFF NATIONAL PARK	47	-45	139	4	2.76	.
BARONS-EUREKA-WARNER	4	-4	13	26	0.24	.
BIG COUNTRY	48	1	95	3	2.82	.
CALGARY	19	14	24	10	1.12	.
CHINOOK	30	9	52	7	1.76	.
DRUMHELLER	10	-4	23	21	0.59	.
EDMONTON	14	10	18	13	0.82	.
FOOTHILLS	11	-4	25	19	0.65	.
FORT MCMURRAY	5	-4	14	25	0.29	.
HIGH LEVEL-FORT VERMILION	47	-45	139	5	2.76	.
JASPER NATIONAL PARK	79	-76	235	2	4.65	.
LEDUC-STRATHCONA	12	0	24	18	0.71	.
LETHBRIDGE	14	4	25	14	0.82	.
MINBURN-VERMILION	11	-1	24	20	0.65	.
MOUNT VIEW	8	-3	19	23	0.47	.
NORTH EASTERN ALBERTA	14	-2	30	15	0.82	.
PEACE RIVER	36	4	67	6	2.12	.
RED DEER REGIONAL	29	15	43	8	1.71	.
SOUTHEASTERN ALBERTA	13	3	23	16	0.76	.
SOUTH PEACE	8	-3	19	24	0.47	.
STONY PLAIN-LAC STE. ANNE	13	-5	32	17	0.76	.
STURGEON	16	3	30	11	0.94	.
VEGREVILLE	10	-1	22	22	0.59	.
WETOKA	16	0	32	12	0.94	.
ALBERTA	17	15	20			

HEALTH UNITS OF ALBERTA



NUMBER OF FEMALE DEATHS, 1987
CHRONIC OBSTRUCTIVE LUNG DISEASE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	1	0	2	6	9
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	1	2	3
ATHABASCA	0	0	0	0	0	0	0	1	0	3	4
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	1	0	1
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	1	0	0	1	2	4	6	22	36
CHINOOK	0	0	0	0	0	0	0	1	3	3	7
DRUMHELLER	0	0	0	0	0	0	0	0	0	2	2
EDMONTON	0	0	0	0	1	1	0	7	5	15	29
FOOTHILLS	0	0	0	0	0	0	0	0	0	3	3
FORT MCMURRAY	0	0	0	1	0	0	0	0	0	0	1
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	1	1
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	1	0	2	3
LETHBRIDGE	0	0	0	0	0	0	0	0	1	5	6
MINBURN-VERMILION	0	0	0	0	1	0	0	0	1	2	4
MOUNT VIEW	0	0	0	0	0	0	0	2	1	2	5
NORTH EASTERN ALBERTA	0	0	0	0	1	0	0	0	0	1	2
PEACE RIVER	0	0	0	0	0	0	0	0	0	2	2
RED DEER REGIONAL	0	0	1	0	0	0	0	1	1	1	4
SOUTHEASTERN ALBERTA	0	0	1	0	0	0	0	0	3	2	6
SOUTH PEACE	0	0	0	0	0	0	0	1	1	1	3
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	1	0	1
STURGEON	0	0	0	0	0	0	0	0	0	1	1
VEGREVILLE	0	0	0	0	0	0	0	0	1	0	1
WETOKA	0	0	0	0	0	0	0	0	1	0	1
ALBERTA	0	0	3	1	3	2	3	18	29	76	135

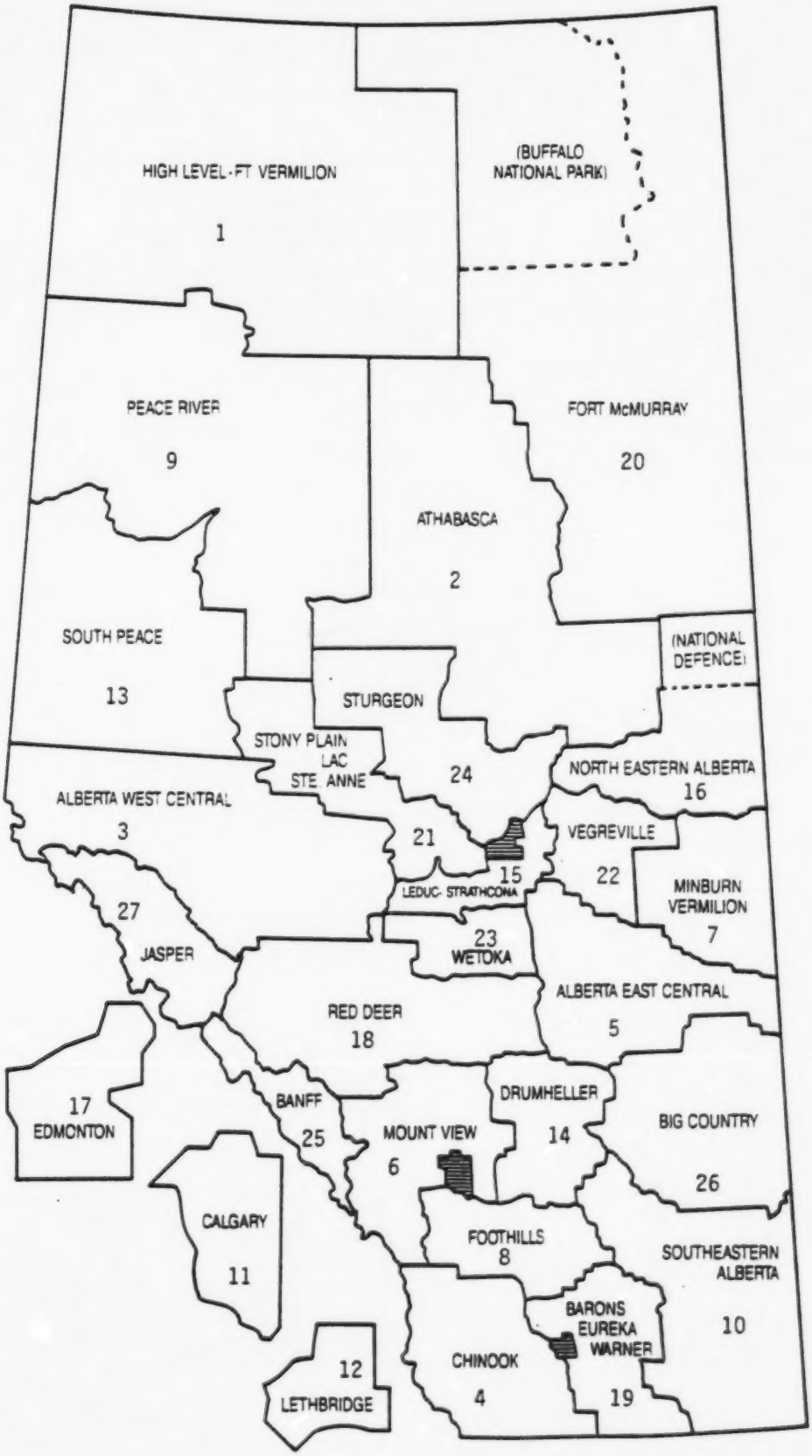
AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1987
CHRONIC OBSTRUCTIVE LUNG DISEASE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	42	0	79	319
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	142	439
ATHABASCA	0	0	0	0	0	0	0	103	0	636
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	84	0
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	2	0	0	2	7	17	38	188
CHINOOK	0	0	0	0	0	0	0	58	188	261
DRUMHELLER	0	0	0	0	0	0	0	0	0	242
EDMONTON	0	0	0	0	2	3	0	30	29	121
FOOTHILLS	0	0	0	0	0	0	0	0	0	380
FORT MCMURRAY	0	0	0	30	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	1176
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	36	0	179
LETHBRIDGE	0	0	0	0	0	0	0	0	39	237
MINBURN-VERMILION	0	0	0	0	30	0	0	0	73	185
MOUNT VIEW	0	0	0	0	0	0	0	101	65	211
NORTH EASTERN ALBERTA	0	0	0	0	25	0	0	0	0	118
PEACE RIVER	0	0	0	0	0	0	0	0	0	357
RED DEER REGIONAL	0	0	11	0	0	0	0	24	30	45
SOUTHEASTERN ALBERTA	0	0	17	0	0	0	0	0	107	106
SOUTH PEACE	0	0	0	0	0	0	0	53	74	99
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	84	0
STURGEON	0	0	0	0	0	0	0	0	0	68
VEGREVILLE	0	0	0	0	0	0	0	0	69	0
WETOKA	0	0	0	0	0	0	0	0	71	0
ALBERTA	0	0	2	1	1	1	3	21	44	161

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1987
CHRONIC OBSTRUCTIVE LUNG DISEASE

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	21	7	35	5	1.91	.
ALBERTA WEST CENTRAL	25	-3	54	3	2.27	.
ATHABASCA	33	1	65	2	3.00	.
BANFF NATIONAL PARK	0	0	0	25	0.00	.
BARONS-EUREKA-WARNER	5	-4	14	19	0.45	.
BIG COUNTRY	0	0	0	26	0.00	.
CALGARY	12	8	16	11	1.09	.
CHINOOK	25	6	44	4	2.27	.
DRUMHELLER	10	-4	23	14	0.91	.
EDMONTON	9	6	13	17	0.82	.
FOOTHILLS	15	-2	32	8	1.36	.
FORT MCMURRAY	5	-5	15	20	0.45	.
HIGH LEVEL-FORT VERMILION	47	-45	139	1	4.27	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRATHCONA	10	-1	21	15	0.91	.
LETHBRIDGE	12	2	21	12	1.09	.
MINBURN-VERMILION	18	0	35	7	1.64	.
MOUNT VIEW	19	2	37	6	1.73	.
NORTH EASTERN ALBERTA	10	-4	23	16	0.91	.
PEACE RIVER	14	-5	34	9	1.27	.
RED DEER REGIONAL	7	0	14	18	0.64	
SOUTHEASTERN ALBERTA	13	3	23	10	1.18	.
SOUTH PEACE	12	-2	26	13	1.09	.
STONY PLAIN-LAC STE. ANNE	5	-4	14	21	0.45	.
STURGEON	3	-3	8	24	0.27	.
VEGREVILLE	4	-4	11	22	0.36	.
WETOKA	4	-4	12	23	0.36	.
ALBERTA	11	9	13			

HEALTH UNITS OF ALBERTA



NUMBER OF FEMALE DEATHS, 1987
LIVER CIRRHOSIS

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	1	0	0	0	0	1
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	1	0	0	1
ATHABASCA	0	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	1	0	0	0	1
BIG COUNTRY	0	0	0	0	1	0	1	0	0	0	2
CALGARY	0	0	0	0	2	4	5	1	2	1	15
CHINOOK	0	0	0	0	0	0	0	0	0	1	1
DRUMHELLER	0	0	0	0	0	0	0	0	1	0	1
EDMONTON	0	0	0	0	0	3	6	6	2	1	18
FOOTHILLS	0	0	0	0	1	0	0	0	0	0	1
FORT MCMURRAY	0	0	0	0	0	1	0	0	0	0	1
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	0	0	0	0
LETHBRIDGE	0	0	0	0	0	0	0	0	0	3	3
MINBURN-VERMILION	0	0	0	0	0	0	1	0	0	0	1
MOUNT VIEW	0	0	0	0	0	0	0	0	0	0	0
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	1	0	1	2
PEACE RIVER	0	0	0	0	0	0	0	0	0	0	0
RED DEER REGIONAL	0	0	0	0	0	0	0	3	1	1	5
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	0	1	0	0	1
SOUTH PEACE	0	0	0	0	0	0	0	0	0	0	0
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	1	1	0	0	0	2
STURGEON	0	0	0	0	0	0	0	0	0	0	0
VEGREVILLE	0	0	0	0	0	0	0	0	0	0	0
WETOKA	0	0	0	0	0	0	0	0	0	0	0
ALBERTA	**0**	**0**	**0**	**0**	**4**	**10**	**15**	**13**	**6**	**8**	**56**

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1987
LIVER CIRRHOSIS

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	30	0	0	0	0
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	98	0	0
ATHABASCA	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	60	0	0	0
BIG COUNTRY	0	0	0	0	113	0	203	0	0	0
CALGARY	0	0	0	0	3	8	17	4	13	9
CHINOOK	0	0	0	0	0	0	0	0	0	87
DRUMHELLER	0	0	0	0	0	0	0	0	82	0
EDMONTON	0	0	0	0	0	8	23	26	12	8
FOOTHILLS	0	0	0	0	37	0	0	0	0	0
FORT MCMURRAY	0	0	0	0	0	35	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	0	0	0
LETHBRIDGE	0	0	0	0	0	0	0	0	0	142
MINBURN-VERMILION	0	0	0	0	0	0	66	0	0	0
MOUNT VIEW	0	0	0	0	0	0	0	0	0	0
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	71	0	118
PEACE RIVER	0	0	0	0	0	0	0	0	0	0
RED DEER REGIONAL	0	0	0	0	0	0	0	72	30	45
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	0	32	0	0
SOUTH PEACE	0	0	0	0	0	0	0	0	0	0
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	20	38	0	0	0
STURGEON	0	0	0	0	0	0	0	0	0	0
VEGREVILLE	0	0	0	0	0	0	0	0	0	0
WETOKA	0	0	0	0	0	0	0	0	0	0
ALBERTA	0	0	0	0	2	6	14	15	9	17

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1987
LIVER CIRRHOSIS

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	4	-4	13	14	0.8	.
ALBERTA WEST CENTRAL	7	-7	21	4	1.4	.
ATHABASCA	0	0	0	17	0.0	.
BANFF NATIONAL PARK	0	0	0	18	0.0	.
BARONS-EUREKA-WARNER	5	-5	16	10	1.0	.
BIG COUNTRY	41	-16	98	1	8.2	.
CALGARY	5	2	7	11	1.0	.
CHINOOK	3	-3	10	15	0.6	.
DRUMHELLER	5	-4	14	12	1.0	.
EDMONTON	6	3	9	6	1.2	.
FOOTHILLS	7	-7	22	5	1.4	.
FORT MCMURRAY	5	-5	15	13	1.0	.
HIGH LEVEL-FORT VERMILION	0	0	0	19	0.0	.
JASPER NATIONAL PARK	0	0	0	20	0.0	.
LEDUC-STRATHCONA	0	0	0	21	0.0	.
LETHBRIDGE	6	-1	12	7	1.2	.
MINBURN-VERMILION	6	-6	17	8	1.2	.
MOUNT VIEW	0	0	0	22	0.0	.
NORTH EASTERN ALBERTA	10	-4	24	2	2.0	.
PEACE RIVER	0	0	0	23	0.0	.
RED DEER REGIONAL	9	1	16	3	1.8	.
SOUTHEASTERN ALBERTA	2	-2	7	16	0.4	.
SOUTH PEACE	0	0	0	24	0.0	.
STONY PLAIN-LAC STE. ANNE	6	-2	15	9	1.2	.
STURGEON	0	0	0	25	0.0	.
VEGREVILLE	0	0	0	26	0.0	.
WETOKA	0	0	0	27	0.0	.
ALBERTA	5	3	6			

HEALTH UNITS OF ALBERTA

LIVER CIRRHOSIS, FEMALES, 1987

NUMBER OF FEMALE DEATHS, 1987
CONGENITAL ANOMALY

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	1	1	0	2
ALBERTA WEST CENTRAL	1	0	0	0	0	0	0	0	0	0	1
ATHABASCA	0	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	0	0
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0	0
CALGARY	12	0	1	1	0	0	0	1	0	0	15
CHINOOK	1	0	0	0	0	0	0	0	0	0	1
DRUMHELLER	1	0	0	1	0	0	0	0	0	0	2
EDMONTON	12	0	1	1	0	0	1	0	0	0	15
FOOTHILLS	0	0	0	0	0	0	0	0	0	0	0
FORT MCMURRAY	1	0	0	0	0	0	0	0	0	0	1
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	1	1	0	0	0	0	0	0	0	0	2
LETHBRIDGE	1	0	0	0	0	0	0	0	0	0	1
MINBURN-VERMILION	1	0	0	0	0	0	0	0	0	0	1
MOUNT VIEW	1	0	0	0	0	0	0	0	0	0	1
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	0	0
PEACE RIVER	0	0	0	0	0	0	0	0	0	0	0
RED DEER REGIONAL	0	1	0	0	0	0	1	0	0	0	2
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	0	0	0	0	0
SOUTH PEACE	0	0	0	0	0	0	0	0	0	0	0
STONY PLAIN-LAC STE. ANNE	5	0	0	0	0	0	0	0	0	1	6
STURGEON	0	0	2	0	0	0	0	0	0	0	2
VEGREVILLE	0	0	0	0	0	0	0	0	0	0	0
WETOKA	0	0	1	0	0	0	0	0	0	0	1
ALBERTA	37	2	5	3	0	0	2	2	1	1	53

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1987
CONGENITAL ANOMALY

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	40	40	0
ALBERTA WEST CENTRAL	270	0	0	0	0	0	0	0	0	0
ATHABASCA	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	0
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0
CALGARY	222	0	2	2	0	0	0	4	0	0
CHINOOK	270	0	0	0	0	0	0	0	0	0
DRUMHELLER	337	0	0	41	0	0	0	0	0	0
EDMONTON	240	0	3	2	0	0	4	0	0	0
FOOTHILLS	0	0	0	0	0	0	0	0	0	0
FORT MCMURRAY	266	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	128	29	0	0	0	0	0	0	0	0
LETHBRIDGE	227	0	0	0	0	0	0	0	0	0
MINBURN-VERMILION	294	0	0	0	0	0	0	0	0	0
MOUNT VIEW	202	0	0	0	0	0	0	0	0	0
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	0
PEACE RIVER	0	0	0	0	0	0	0	0	0	0
RED DEER REGIONAL	0	24	0	0	0	0	20	0	0	0
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	0	0	0	0
SOUTH PEACE	0	0	0	0	0	0	0	0	0	0
STONY PLAIN-LAC STE. ANNE	870	0	0	0	0	0	0	0	0	168
STURGEON	0	0	23	0	0	0	0	0	0	0
VEGREVILLE	0	0	0	0	0	0	0	0	0	0
WETOKA	0	0	37	0	0	0	0	0	0	0
ALBERTA	179	2	3	2	0	0	2	2	2	2

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1987
CONGENITAL ANOMALY

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	5	-2	12	3	1.25	.
ALBERTA WEST CENTRAL	5	-5	14	4	1.25	.
ATHABASCA	0	0	0	16	0.00	.
BANFF NATIONAL PARK	0	0	0	17	0.00	.
BARONS-EUREKA-WARNER	0	0	0	18	0.00	.
BIG COUNTRY	0	0	0	19	0.00	.
CALGARY	5	2	7	5	1.25	.
CHINOOK	5	-5	14	6	1.25	.
DRUMHELLER	13	-5	30	2	3.25	.
EDMONTON	5	3	8	7	1.25	.
FOOTHILLS	0	0	0	20	0.00	.
FORT MCMURRAY	5	-4	14	8	1.25	.
HIGH LEVEL-FORT VERMILION	0	0	0	21	0.00	.
JASPER NATIONAL PARK	0	0	0	22	0.00	.
LEDUC-STRATHCONA	4	-2	10	11	1.00	.
LETHBRIDGE	4	-4	12	12	1.00	.
MINBURN-VERMILION	5	-5	15	9	1.25	.
MOUNT VIEW	4	-3	10	13	1.00	.
NORTH EASTERN ALBERTA	0	0	0	23	0.00	.
PEACE RIVER	0	0	0	24	0.00	.
RED DEER REGIONAL	3	-1	8	14	0.75	.
SOUTHEASTERN ALBERTA	0	0	0	25	0.00	.
SOUTH PEACE	0	0	0	26	0.00	.
STONY PLAIN-LAC STE. ANNE	22	3	41	1	5.50	YES
STURGEON	3	-1	8	15	0.75	.
VEGREVILLE	0	0	0	27	0.00	.
WETOKA	5	-5	16	10	1.25	.
ALBERTA	4	3	6			

HEALTH UNITS OF ALBERTA

CONGENITAL ANOMALY, FEMALES, 1987

NUMBER OF FEMALE DEATHS, 1987
MOTOR VEHICLE ACCIDENTS

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	1	0	1	1	1	3	2	9
ALBERTA WEST CENTRAL	0	0	0	0	2	0	0	1	0	0	3
ATHABASCA	0	0	0	5	1	0	0	0	0	1	7
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	1	1
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	2	5	3	3	2	2	4	21
CHINOOK	0	0	0	2	2	1	1	1	0	0	7
DRUMHELLER	0	0	0	2	1	0	0	0	0	0	3
EDMONTON	1	0	0	8	2	1	4	1	2	0	19
FOOTHILLS	0	0	0	0	0	0	1	0	0	1	2
FORT MCMURRAY	0	0	0	1	0	0	0	0	0	0	1
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	1	4	0	0	1	1	0	1	8
LETHBRIDGE	1	0	0	2	0	1	0	1	1	0	6
MINBURN-VERMILION	0	0	0	0	0	0	0	0	0	0	0
MOUNT VIEW	0	0	0	1	0	0	0	0	0	0	1
NORTH EASTERN ALBERTA	0	0	0	2	2	1	0	0	1	0	6
PEACE RIVER	0	0	0	2	0	1	0	1	0	0	4
RED DEER REGIONAL	0	1	1	6	3	2	2	0	1	0	16
SOUTHEASTERN ALBERTA	0	0	0	1	0	1	0	0	1	0	3
SOUTH PEACE	0	0	2	1	0	1	0	0	0	0	4
STONY PLAIN-LAC STE. ANNE	1	0	0	3	1	0	1	1	0	1	8
STURGEON	0	0	0	2	1	1	0	1	1	1	7
VEGREVILLE	0	0	0	1	1	0	0	1	0	0	3
WETOKA	0	1	1	0	0	1	2	0	0	2	7
ALBERTA	3	2	5	46	21	15	16	12	12	14	146

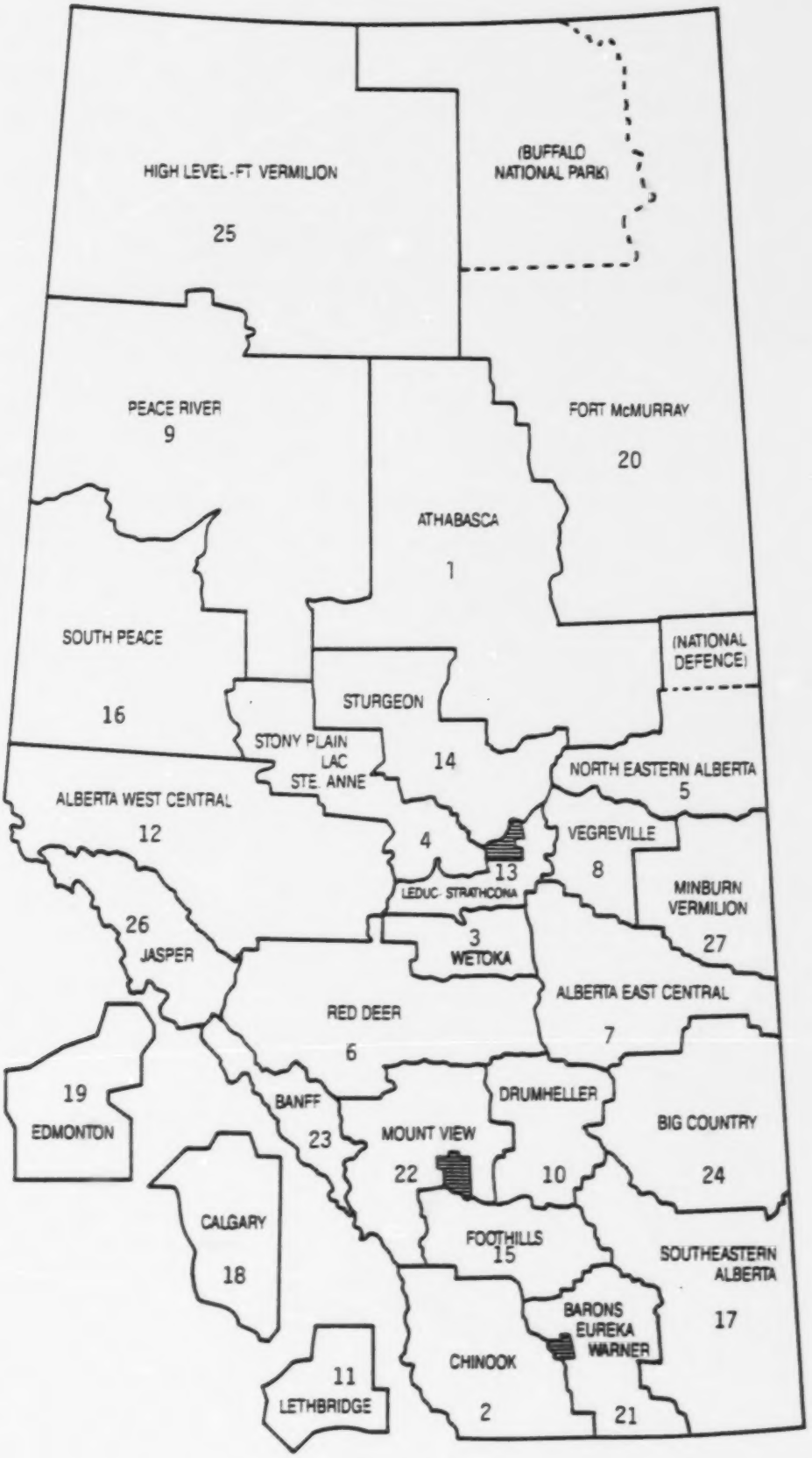
AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1987
MOTOR VEHICLE ACCIDENTS

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	26	0	30	42	40	119	106
ALBERTA WEST CENTRAL	0	0	0	0	53	0	0	98	0	0
ATHABASCA	0	0	0	191	41	0	0	0	0	212
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	110
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	4	7	6	10	9	13	34
CHINOOK	0	0	0	68	67	43	60	58	0	0
DRUMHELLER	0	0	0	81	38	0	0	0	0	0
EDMONTON	20	0	0	15	3	3	15	4	12	0
FOOTHILLS	0	0	0	0	0	0	0	73	0	127
FORT MCMURRAY	0	0	0	30	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	10	52	0	0	21	36	0	89
LETHBRIDGE	227	0	0	41	0	26	0	36	39	0
MINBURN-VERMILION	0	0	0	0	0	0	0	0	0	0
MOUNT VIEW	0	0	0	25	0	0	0	0	0	0
NORTH EASTERN ALBERTA	0	0	0	49	50	36	0	0	91	0
PEACE RIVER	0	0	0	67	0	45	0	85	0	0
RED DEER REGIONAL	0	24	11	60	26	26	40	0	30	0
SOUTHEASTERN ALBERTA	0	0	0	17	0	21	0	0	36	0
SOUTH PEACE	0	0	35	18	0	25	0	0	0	0
STONY PLAIN-LAC STE. ANNE	174	0	0	67	16	0	38	55	0	168
STURGEON	0	0	0	29	12	13	0	36	52	68
VEGREVILLE	0	0	0	56	52	0	0	70	0	0
WETOKA	0	82	37	0	0	43	114	0	0	200
ALBERTA	15	2	3	23	9	9	15	14	18	30

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1987
MOTOR VEHICHLE ACCIDENTS

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	26	8	44	7	2.17	.
ALBERTA WEST CENTRAL	18	-3	39	12	1.50	.
ATHABASCA	48	12	85	1	4.00	YES
BANFF NATIONAL PARK	0	0	0	23	0.00	.
BARONS-EUREKA-WARNER	4	-4	13	21	0.33	.
BIG COUNTRY	0	0	0	24	0.00	.
CALGARY	6	4	9	18	0.50	.
CHINOOK	40	10	71	2	3.33	YES
DRUMHELLER	21	-3	45	10	1.75	.
EDMONTON	6	3	9	19	0.50	.
FOOTHILLS	12	-5	28	15	1.00	.
FORT MCMURRAY	5	-5	15	20	0.42	.
HIGH LEVEL-FORT VERMILION	0	0	0	25	0.00	.
JASPER NATIONAL PARK	0	0	0	26	0.00	.
LEDUC-STRATHCONA	18	5	32	13	1.50	.
LETHBRIDGE	19	4	35	11	1.58	.
MINBURN-VERMILION	0	0	0	27	0.00	.
MOUNT VIEW	4	-4	12	22	0.33	.
NORTH EASTERN ALBERTA	28	6	51	5	2.33	.
PEACE RIVER	24	0	47	9	2.00	.
RED DEER REGIONAL	27	14	41	6	2.25	YES
SOUTHEASTERN ALBERTA	8	-1	17	17	0.67	.
SOUTH PEACE	12	0	23	16	1.00	.
STONY PLAIN-LAC STE. ANNE	32	9	54	4	2.67	YES
STURGEON	17	4	30	14	1.42	.
VEGREVILLE	25	-4	54	8	2.08	.
WETOKA	35	9	61	3	2.92	YES
ALBERTA	12	10	14			

HEALTH UNITS OF ALBERTA



NUMBER OF FEMALE DEATHS, 1987
SUICIDE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	1	0	1	0	0	0	2
ALBERTA WEST CENTRAL	0	0	0	0	1	0	0	0	0	0	1
ATHABASCA	0	0	0	2	0	0	1	0	0	0	3
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	0	0
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	0	9	5	3	0	1	0	18
CHINOOK	0	0	0	0	0	0	0	0	0	0	0
DRUMHELLER	0	0	0	0	0	0	0	0	0	0	0
EDMONTON	0	0	0	1	2	8	3	5	1	2	22
FOOTHILLS	0	0	0	0	0	0	0	0	0	0	0
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	1	0	1	0	0	0	2
LETHBRIDGE	0	0	0	0	0	0	0	0	0	0	0
MINBURN-VERMILION	0	0	0	0	1	0	0	0	0	0	1
MOUNT VIEW	0	0	0	0	0	0	0	0	0	1	1
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	0	0
PEACE RIVER	0	0	0	0	0	0	0	0	1	0	1
RED DEER REGIONAL	0	0	0	0	0	2	0	0	0	0	2
SOUTHEASTERN ALBERTA	0	0	0	0	0	1	0	0	0	0	1
SOUTH PEACE	0	0	0	2	0	0	0	0	1	0	3
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	0	0	0
STURGEON	0	0	0	0	0	0	1	0	0	0	1
VEGREVILLE	0	0	0	0	0	0	0	0	0	0	0
WETOKA	0	0	0	0	0	0	0	0	0	0	0
ALBERTA	**0**	**0**	**0**	**5**	**15**	**16**	**10**	**5**	**4**	**3**	**58**

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1987
SUICIDE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	25	0	42	0	0	0
ALBERTA WEST CENTRAL	0	0	0	0	27	0	0	0	0	0
ATHABASCA	0	0	0	76	0	0	81	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	0
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	0	12	11	10	0	6	0
CHINOOK	0	0	0	0	0	0	0	0	0	0
DRUMHELLER	0	0	0	0	0	0	0	0	0	0
EDMONTON	0	0	0	2	3	22	11	21	6	16
FOOTHILLS	0	0	0	0	0	0	0	0	0	0
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	11	0	21	0	0	0
LETHBRIDGE	0	0	0	0	0	0	0	0	0	0
MINBURN-VERMILION	0	0	0	0	30	0	0	0	0	0
MOUNT VIEW	0	0	0	0	0	0	0	0	0	106
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	0
PEACE RIVER	0	0	0	0	0	0	0	0	119	0
RED DEER REGIONAL	0	0	0	0	0	26	0	0	0	0
SOUTHEASTERN ALBERTA	0	0	0	0	0	21	0	0	0	0
SOUTH PEACE	0	0	0	36	0	0	0	0	74	0
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	0	0
STURGEON	0	0	0	0	0	0	24	0	0	0
VEGREVILLE	0	0	0	0	0	0	0	0	0	0
WETOKA	0	0	0	0	0	0	0	0	0	0
ALBERTA	0	0	0	3	6	10	10	6	6	6

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1987
SUICIDE

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	9	-4	21	3	1.8	.
ALBERTA WEST CENTRAL	5	-5	16	7	1.0	.
ATHABASCA	20	-3	42	1	4.0	.
BANFF NATIONAL PARK	0	0	0	14	0.0	.
BARONS-EUREKA-WARNER	0	0	0	15	0.0	.
BIG COUNTRY	0	0	0	16	0.0	.
CALGARY	5	3	8	8	1.0	.
CHINOOK	0	0	0	17	0.0	.
DRUMHELLER	0	0	0	18	0.0	.
EDMONTON	8	4	11	4	1.6	.
FOOTHILLS	0	0	0	19	0.0	.
FORT MCMURRAY	0	0	0	20	0.0	.
HIGH LEVEL-FORT VERMILION	0	0	0	21	0.0	.
JASPER NATIONAL PARK	0	0	0	22	0.0	.
LEDUC-STRATHCONA	4	-2	10	9	0.8	.
LETHBRIDGE	0	0	0	23	0.0	.
MINBURN-VERMILION	6	-6	18	6	1.2	.
MOUNT VIEW	4	-4	13	10	0.8	.
NORTH EASTERN ALBERTA	0	0	0	24	0.0	.
PEACE RIVER	7	-6	20	5	1.4	.
RED DEER REGIONAL	4	-1	9	11	0.8	.
SOUTHEASTERN ALBERTA	3	-3	9	12	0.6	.
SOUTH PEACE	10	-1	22	2	2.0	.
STONY PLAIN-LAC STE. ANNE	0	0	0	25	0.0	.
STURGEON	2	-2	6	13	0.4	.
VEGREVILLE	0	0	0	26	0.0	.
WETOKA	0	0	0	27	0.0	.
ALBERTA	5	4	6			

HEALTH UNITS OF ALBERTA

NUMBER OF FEMALE DEATHS, 1987
FEMALE BREAST CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	3	3	4	3	13
ALBERTA WEST CENTRAL	0	0	0	0	0	1	0	2	0	0	3
ATHABASCA	0	0	0	0	0	0	0	1	0	1	2
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	1	0	1	0	2
BIG COUNTRY	0	0	0	0	0	0	0	0	1	0	1
CALGARY	0	0	0	0	1	12	12	21	25	12	83
CHINOOK	0	0	0	0	1	3	2	1	2	0	9
DRUMHELLER	0	0	0	0	0	0	0	0	1	0	1
EDMONTON	0	0	0	0	0	9	15	17	19	17	77
FOOTHILLS	0	0	0	0	1	0	2	2	1	2	8
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	1	0	2	2	1	3	9
LETHBRIDGE	0	0	0	0	0	0	3	2	3	6	14
MINBURN-VERMILION	0	0	0	0	0	2	0	1	1	0	4
MOUNT VIEW	0	0	0	0	0	0	3	1	0	2	6
NORTH EASTERN ALBERTA	0	0	0	0	1	1	2	2	5	0	11
PEACE RIVER	0	0	0	0	0	1	0	2	1	0	5
RED DEER REGIONAL	0	0	0	0	0	0	2	2	5	1	10
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	2	2	4	2	10
SOUTH PEACE	0	0	0	0	0	1	1	2	0	0	4
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	1	2	1	4
STURGEON	0	0	0	0	2	2	4	3	6	0	17
VEGREVILLE	0	0	0	0	0	0	3	1	1	2	7
WETOKA	0	0	0	0	1	0	2	4	2	2	11
ALBERTA	0	0	0	0	9	32	59	72	85	54	311

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1987
FEMALES BREAST CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	125	120	159	160
ALBERTA WEST CENTRAL	0	0	0	0	0	41	0	196	0	0
ATHABASCA	0	0	0	0	0	0	0	103	0	212
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	60	0	84	0
BIG COUNTRY	0	0	0	0	0	0	0	0	225	0
CALGARY	0	0	0	0	1	25	41	89	157	103
CHINOOK	0	0	0	0	34	128	119	58	126	0
DRUMHELLER	0	0	0	0	0	0	0	0	82	0
EDMONTON	0	0	0	0	0	24	57	72	112	137
FOOTHILLS	0	0	0	0	37	0	145	161	82	253
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	11	0	43	72	56	268
LETHBRIDGE	0	0	0	0	0	0	111	72	118	285
MINBURN-VERMILION	0	0	0	0	0	84	0	72	73	0
MOUNT VIEW	0	0	0	0	0	0	112	50	0	211
NORTH EASTERN ALBERTA	0	0	0	0	25	36	112	142	456	0
PEACE RIVER	0	0	0	0	32	45	0	170	119	0
RED DEER REGIONAL	0	0	0	0	0	0	40	48	150	45
SOUTHEASTERN ALBERTA	0	0	0	0	0	0	64	64	143	106
SOUTH PEACE	0	0	0	0	0	25	41	106	0	0
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	55	168	168
STURGEON	0	0	0	0	24	26	95	107	314	0
VEGREVILLE	0	0	0	0	0	0	221	70	69	173
WETOKA	0	0	0	0	34	0	114	236	142	200
ALBERTA	**0**	**0**	**0**	**0**	**4**	**19**	**56**	**83**	**129**	**114**

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1987
FEMALE BREAST CANCER

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	35	16	55	6	1.35	.
ALBERTA WEST CENTRAL	20	-3	43	16	0.77	.
ATHABASCA	16	-6	38	19	0.62	.
BANFF NATIONAL PARK	0	0	0	24	0.00	.
BARONS-EUREKA-WARNER	10	-4	24	22	0.38	.
BIG COUNTRY	12	-12	37	21	0.46	.
CALGARY	27	21	33	10	1.04	.
CHINOOK	47	15	78	3	1.81	.
DRUMHELLER	5	-4	14	23	0.19	.
EDMONTON	25	20	31	11	0.96	.
FOOTHILLS	47	14	80	4	1.81	.
FORT MCMURRAY	0	0	0	25	0.00	.
HIGH LEVEL-FORT VERMILION	0	0	0	26	0.00	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRATHCONA	25	8	42	12	0.96	.
LETHBRIDGE	33	15	51	8	1.27	.
MINBURN-VERMILION	21	0	42	15	0.81	.
MOUNT VIEW	22	4	40	14	0.85	.
NORTH EASTERN ALBERTA	56	23	89	1	2.15	YES
PEACE RIVER	32	4	60	9	1.23	.
RED DEER REGIONAL	17	7	28	18	0.65	.
SOUTHEASTERN ALBERTA	23	8	37	13	0.88	.
SOUTH PEACE	15	0	29	20	0.58	.
STONY PLAIN-LAC STE. ANNE	20	0	40	17	0.77	.
STURGEON	42	22	62	5	1.62	.
VEGREVILLE	35	8	63	7	1.35	.
WETOKA	50	20	80	2	1.92	.
ALBERTA	26	23	29			

HEALTH UNITS OF ALBERTA

BREAST CANCER, FEMALES, 1987

APPENDICES

APPENDIX A

METHOD OF POPULATION PROJECTION

In this appendix the method of health unit population projection used in the report is described. The statistics needed consist of: the 1986 health unit census (Federal) enumeration and the 1987 age and sex distributions of Alberta population published by the Alberta Bureau of Statistics. It should be noted that the 1986 census exclude one or more incompletely enumerated Indian reserves or Indian settlements. All of these statistics are available directly or indirectly (through the Alberta Bureau of Statistics) from Statistics Canada.

The method of projection simply scales the 1986 census population of each health unit by age group and by sex, according to a factor which relates the 1986 population of Alberta to that of 1987 estimates.

For a given sex, let $n_{ij}(86)$ equal the number of individuals in the i^{th} age group of the j^{th} health unit in 1986, and let $N_i(86)$ equal the number of individuals in the i^{th} age group in Alberta as a whole in 1986. For Chapter 1 and 2 there are eight age groups, and for chapter 3 and 4 there are ten. The corresponding numbers for 1987 are $n_{ij}(87)$ and $N_i(87)$. The problem is to estimate $n_{ij}(87)$ from $n_{ij}(86)$, $N_i(86)$ and $N_i(87)$. Defined by:

$$f_i(86,87) = \frac{N_i(87)}{N_i(86)}$$

Then $f_i(86,87)$ scales the 1986 Alberta population in the i^{th} age group to that of 1987 in the sense that $f_i(86,87)\ N_i(86) = N_i(87)$. The projected estimate of $n_{ij}(87)$ is then defined by:

$$n_{ij}(87) = f_i(86,87)\ n_{ij}(86)$$

Note that the same factor $f_i(86,87)$ is used for the i^{th} age group for all health units and so the assumption has been made that there has been a uniform rate of growth (or decline) common to all health units.

APPENDIX B

TECHNIQUES OF AGE STANDARDIZATION

In this section the standardization methods and statistical techniques used in the report are described. The discussion applies to both live birth rates and death rates of 1987. For concreteness the discussion will be phrased in terms of death rates.

As in Appendix A, let n_{ij} equal the individuals in the i^{th} age group of the jth health unit (for a given sex and year) and let d_{ij} be the corresponding number of deaths (for a given cause). Summing n_{ij} and d_{ij} over the index j (that is, over all health units) results in the number of individuals and deaths in the i^{th} age group in Alberta as a whole, denoted by N_i and D_i, respectively. The total number of Albertans and the total number of deaths is obtained by summing N_i and D_i over the index i, and will be denoted by N and D, respectively.

The death rate for the i^{th} age group and j^{th} health unit is defined by:

$$r_{ij} = \frac{d_{ij}}{n_{ij}}$$

and the corresponding rate for Alberta defined by:

$$R_i = \frac{D_i}{N_i}$$

The standard error of r_{ij} may be estimated[7] by:

$$SE(r_{ij}) = \frac{d_{ij}^{1/2}}{n_{ij}}$$

and a 95% confidence interval constructed from

$$r_{ij} + 1.96\ SE(r_{ij})$$

Formulas are similarly defined for R_i.

The age-standardized death rate for the j^{th} health unit, standardized to the Alberta population, is defined by:

$$sdr_j = \Sigma_i\ W_i\ r_{ij}$$

where

$$W_i = \frac{N_i}{N}$$

7 Cheng, C.L. 1984. The Life Table and Its Applications. Malabar: Krieger

Consequently, sdr_j is a weighted average of age-specific death rates for the j^{th} health unit, where the weights W_i are determined by the Alberta age distribution.

The standard error of sdr_j is defined by:

$$SE(sdrj) = (\Sigma_i [W_i\ SE(r_{ij})]^2)^{1/2}$$

Since age-standardization is according to the Alberta population, the age-standardized death rate for Alberta, given by:

$$SDR = \Sigma_i\ W_i R_i$$

simplifies to

$$SDR = \frac{D}{N}$$

which is usually referred to as the crude death rate. From an earlier formula,

$$SE(SDR) = \frac{D^{1/2}}{N}$$

A test of the hypothesis that the standardized rate for the jth health unit differs from the Alberta rate may be based on Z - statistic:

$$Z = \frac{sdr_j - SDR}{(SE(sdr_j)^2 + SE(SDR)^2)^{1/2}}$$

For the (one-sided) hypothesis that sdr_j is greater than SDR, the test is significant (at the 5% level) if

$$Z \geq 1.64$$

ERRATA

Please note that the following table presents the adjusted figures for 1986. This table should replace Table 2.6 of 1986 report.

NUMBER OF PERINATAL DEATHS AND PERINATAL DEATH RATES (PER 1,000 LIVE BIRTHS), 1986

HEALTH UNIT	NUMBER	RATE
ALBERTA EAST CENTRAL	8	10.7
ALBERTA WEST CENTRAL	3	4.2
ATHABASCA	8	11.7
BANFF NATIONAL PARK	1	14.5
BARONS-EUREKA-WARNER	2	8.0
BIG COUNTRY	1	5.2
CALGARY	98	9.0
CHINOOK	12	17.1
DRUMHELLER	2	3.6
EDMONTON	95	9.2
FOOTHILLS	1	1.9
FORT MCMURRAY	6	8.0
HIGH LEVEL-FORT VERMILION	5	11.8
JASPER NATIONAL PARK	0	0.0
LEDUC-STRATHCONA	17	11.3
LETHBRIDGE	7	7.8
MINBURN-VERMILION	11	28.7
MOUNT VIEW	11	10.8
NORTH EASTERN ALBERTA	7	7.5
PEACE RIVER	14	17.9
RED DEER REGIONAL	12	5.5
SOUTHEASTERN ALBERTA	7	7.8
SOUTH PEACE	2	11.1
STONY PLAIN-LAC STE. ANNE	8	7.2
STURGEON	6	4.3
VEGREVILLE	4	10.3
WETOKA	7	11.2
ALBERTA	**368**	**9.0**